

THE IBIS.

THIRD SERIES.

SUPPLEMENT, 1873.

XLVII.—*Index to the Ornithological Literature of 1872.* By
P. L. SCLATER, M.A., Ph.D., F.R.S., and O. FINSCH, Ph.D.

AIKEN, C. E.

[See HOLDEN, Jr., C. R.]

ALLEN, J. A.

1. *Remarks concerning the Geographical Variation in Mammals and Birds.* Proc. Bost. Soc. N. H. xv. pp. 156–159.

These remarks relate principally to the general laws of decrease in the size of individuals of the same species with decrease in latitude, and of their comparatively darker plumage in the southern than in the northern borders of their habitats, of which instances are given.

2. *Geographical Variation in North-American Birds.* Proc. Bost. Soc. N. H. xv. pp. 212–219.

Mr. Allen seeks to give the general results that have followed upon the investigation of the large series of specimens of North-American birds in the Smithsonian Institution and Museum of Comparative Zoology. These results, as already shown by the author in previous papers (Bull. Mus. Comp. Zool. ii. no. 3, and iii. no. 6), prove that “intergrada-

tion has been frequently traced between widely different forms, a gradual coalescence in scores of instances having been positively established, and rendered extremely probable in a large number of others."

There can be no question of the importance of Mr. Allen's investigations, or, in our opinion, that he is perfectly right in regarding the so-called "hybrids" between representative species as in fact transitional forms.

3. *Ornithological Notes from the West*. Am. Nat. 1872, pp. 263-275, 342-351, 394-404.

Résumé of observations of birds made during the author's expedition to Kansas, Colorado, and Great-Salt-Lake Valley in 1871.

4. *Notes of an Ornithological Reconnaissance of portions of Kansas, Colorado, Wyoming, and Utah*. Bull. Mus. Comp. Zoology, iii. no. 6 (1872).

Contains the results of field-work, on the western plains and in the central portions of the Rocky Mountains, achieved by an expedition sent out by the Cambridge Museum in 1871 and 1872. The expedition commenced work at Fort Leavenworth, Missouri, and collected at intervals thence westward to the Great-Salt-Lake Valley. Lists are given of species collected at eight different stations, with remarks on the different local forms and variations of the species, besides habits and plumages. A summary shows that examples of 228 species were obtained. The general result is the confirmation of Mr. Allen's conclusions arrived at in his well-known "Winter-Birds of East Florida" (Bull. Mus. Comp. Zool. ii. no. 3), and the discovery of several well-marked geographical races not previously chronicled.

ALLIS, T.

On the Skeleton of the Apteryx. Journ. Linn. Soc. xi. p. 523.

Notice of the exhibition of two photographs of a mounted skeleton of this bird.

ALTUM, PROF.

Der weissrückige Buntspecht (Picus leuconotus) *Brutvogel in der Mark Brandenburg*. Zool. Gart. 1872, pp. 369-371.

A case of the breeding of this rare Woodpecker in Brandenburg is stated, and the young bird described.

ANDERSON, A.

1. *Notes on the Raptorial Birds of India.* Part ii. P. Z. S. 1872, pp. 68-81.

Continues notes commenced in P. Z. S. 1871, and gives detailed descriptions of "*Aquila hastata*, Less.," in various plumages.

2. *Additional Notes on the Raptorial Birds of North-Western India.* P. Z. S. 1872, pp. 619-623.

Principally relates to the Imperial Eagles, of which the author recognizes two Indian species—*A. crassipes* (Hodgs. MS.) and *A. bifasciata*, Gray.

3. *Letter from.* Ibis, 1872, pp. 81-83.

On the nidification of the Whiskered Tern, *Sterna leucopareia* (*Hydrochelidon indica* of Jerdon). Contains an account of this bird's breeding in Oudh.

4. *On the Nidification of certain Indian Birds.* Part i. Ibis, 1872, pp. 237-239.

Describes the nidification of *Burnesia lepida*, Blyth (= *Maurus gracilis*) in the tamarisk-covered islands of the Ganges.

ANDERSSON, C. J.

Notes on the birds of Damara Land and the adjacent Countries of South-West Africa. By the late CHARLES JOHN ANDERSSON. Arranged and edited by JOHN HENRY GURNEY. London: 1872, 8vo. pp. 394.

[See GURNEY, J. H.]

ANTINORI, A.

[See SALVADORI, T.]

AUSTEN, MAJOR GODWIN.

Exhibition of a Skin of Ceriornis blythii. P. Z. S. 1872, pp. 496-497.

This rare bird was obtained near Sima-Goding, in the Naga Hills, at about 7000 feet altitude.

BAKODY, DR. THEODOR.

Ueber das combinirte Vorkommen der Trichina spiralis im Ver-

dauungs canal der Hühner. Zeitschrift für wissenschaftl. Zoologie von v. Siebold und Köllker, vol. xxii. 1872, pp. 422–427, with 1 plate (Taf. xxxiv.).

An interesting account of the occurrence of *Trichina* in the intestinal canal of our common House-hen, but not in the muscular flesh.

BALL, V.

Notes on a Collection of Birds made in the Andaman Islands by Assistant-Surgeon G. E. DOBSON, M.B., during the months of April and May. J. A. S. B. 1872, pp. 273–290 (abstracted Pr. A. S. B. 1872, pp. 150, 151).

The collection contained 184 specimens belonging to 62 species, of which 19 had not previously been recorded from the island. *Graucalus dobsoni* is described as new.

BELING, FORSTMEISTER.

Der Fischreiher und die Sternschnuppen. Zool. Gart. 1872, pp. 141–148 (and p. 284).

Refers to the evacuations produced by Herons after digesting frogs. A further notice on this subject is given by K. Müller (*l. c.* p. 222).

BELT, THOMAS.

[See SALVIN, OSBERT.]

BEMMELEN, A. A. VAN.

Fortpflanzung des gemeinen Pelikans (Pelicanus onocrotalus) in Gefangenschaft. Zool. Gart. 1872, pp. 264, 265.

Gives an account of this Pelican breeding in the zoological gardens of Rotterdam.

BENEDEN, P. J. VAN.

Oiseaux de l'Argile Rupelienne et du Crag d'Anvers. Journ. de Zool. i. pp. 284–288.

Describes various birds' bones found in the above-mentioned formations of Belgium, and refers them to the following species:—*Larus raemdonckii*, *Vanellus selysii*, *Anas creccoides*, *Rupelornis definitus*, *Fulica dejardinii*, *Anas scaldi*, and *Cygnus herrenthalsi*.

BIANCONI, G. G.

Ulteriori osservazioni intorno al Femore, alla Tibia ed al

Metatarso di Æpyornis. Mem. Ac. Bologn. ser. 2. iii. pp. 141-165 (6 plates).

A continuation of previous papers of the author on the same subject. His former opinion that *Æpyornis* must be referred to the Vulturidæ and not to the Struthionæ, is maintained.

BLANFORD, W. T.

1. *Letter from.* Ibis, 1872, pp. 84-87.

On *Prinia adamsi*, which is referred to *Drymæca* and described, with its nest and eggs, from specimens obtained by Mr. Fairbank on the Upper Godavery. Also mentions the occurrence of *Buteo plumipes* in Sikim.

2. *Account of a Visit to the Eastern and Northern Frontiers of Independent Sikkim, with Notes on the Zoology of the Alpine and Sub-alpine Regions.*—Part II. Zoology. J. A. S. B. 1872, pp. 30-73.

The second part of Mr. Blanford's paper here given is devoted to an account of the Vertebrata collected or observed during his recent journey in Sikkim, a few remarks being added on Tibetan animals, the "principal object of his visit having been to examine this almost purely Palæarctic Fauna." A fine series of the birds was obtained; and numerous notes are given. A new genus, *Rhyacornis*, is formed for *Ruticilla fuliginosa*. New species described are *Otocoris elwesi* and *Montifringilla ruficollis*.

3. *Notes on a Collection of Birds from Sikkim.* J. A. S. B. 1872, pp. 152-170, pls. vii. and viii.

Gives an account of a collection made in Sikkim by Mr. L. Mandelli, to which are added notes on species obtained by Mr. Blanford himself at low elevations. New species described are *Phylloscopus pallidipes*, *Pellorneum mandellii*, and *Propasser saturatus*. These are all well figured.

BLYTH, EDWARD.

Letter from. Ibis, 1872, pp. 87-90.

Denies the occurrence of *Haliaetus albicilla* in Lower Bengal, and gives a list of Khásia birds obtained by the botanist Samuel Griffith, and erroneously stated in Moore and Hors-

field's Catalogue to be from Afghanistan. Suggests that *Yunx indica* of Gould is not Indian, but is founded on a specimen of the African *Yunx pectoralis*.

BOCAGE, J. V. BARBOZA DU.

Aves das possessões Portuguezas da Africa occidental. Jour. Sc. Lisb. 1872, pp. 66-71.

Contains an account of a new collection of birds made by Sr. Anchieta on the river Coroca, south of Mossamedes. There were 99 skins, referable to 46 species. A *Dryoscopus* is regarded as new but not named; and a *Turtur* described is doubtfully referred to *T. decipiens*.

BORGGREVE, DR. B.

[See DROSTE, FERDINAND BARON.]

BRANDT, DR. ALEXANDER.

Ueber ein grosses fossiles Vogelei aus der Umgegend von Cherson. Bull. Ac. Imp. St. Pét. xviii. p. 158; Mém. Biol. viii. p. 730.

See translation of this paper in 'The Ibis' for January 1874.

BREHM, A. E.

1. *Gefangene Vögel.* Erster Theil, Erster Band: *Pfleger und Pfleglinge, Sittiche und Körnerfresser.* 1 vol. pp. 620, tab. iv. Leipzig und Heidelberg: C. F. Winter, 1872.

In conjunction with Bodinus, Bolle, Cabanis, Finsch, Girtanner, and many other ornithologists, the well-known popular author gives a full history of birds kept in confinement, and of the manner of feeding and keeping them, &c. The first volume of this very useful work contains the Parrots and Grain-eaters, of which 628 species are described, most of them by Dr. O. Finsch.

2. *Remarks on the Breeding of Textoralecto and other Birds in the Berlin Aquarium.* J. f. O. 1872, pp. 239.

BREHM, REINHOLD.

Remarks on the Rapacious Birds of Spain. J. f. O. 1872, p. 395.

These remarks were addressed to a special meeting of the Deutsche ornithologische Gesellschaft, and are accompanied by a discussion on the much-disputed *Aquila adalberti*.

BREWER, DR. T. M.

1. *Letter from.* Ibis, 1872, p. 334.

On the occurrence of *Dendroica castanea* near Boston in May 1872.

2. *On the remarkable abundance of the Bay-breasted Warbler, Dendroica castanea, both in the vicinity of Boston and in Southern Wisconsin.* Proc. Bost. Soc. N. H. xv. pp. 192, 193.
3. *Notice of the occurrence of Empidonax pusillus in Wisconsin.* Proc. Bost. Soc. N. H. xiv. p. 303.
4. *Notice of specimens of Oporornis agilis obtained near Cambridge, Mass.* Ibid. p. 4.

BREWSTER, W.

[See MAYNARD, C. J.]

BROOKS, W. E.

1. *On the Imperial Eagles of India.* P. Z. S. 1872, pp. 502-504, and Pr. A. S. B. 1872, p. 64.

Mr. Brooks recognizes two species hitherto united under the name Imperial Eagle, and describes them as *Aquila crasipes* and *A. bifasciata*. (Cf. ANDERSON, A.)

2. *On a new Species of Phylloscopus.* Ibis, 1872, pp. 22, 23.

Describes *P. tytleri* from Cashmere and Simla, allied to *P. viridanus*.

3. *On the Breeding of Reguloides superciliosus, Reguloides proregulus, Reguloides occipitalis, and Phylloscopus tytleri.* Ibis, 1872, pp. 24-31.

Describes the nidification of these birds as observed by the author at Gulmerg, in Cashmere, "a beautiful mountain-common about 3000 feet above Srinugger," in May and June.

4. *On a new Sylvia from India.* Ibis, 1872, pp. 180, 181.

Melizophilus striatus, discovered at Naoshera, Punjab, by Capt. Cock. [= *Drymæca inquieta*, Rüpp. See Blanford, Ibis, 1874, p. 76.]

5. *Letter from.* Ibis, 1872, pp. 469-470.

Contains remarks upon Mr. Hume's six new species described in 'The Ibis' for April 1872, p. 107.

6. *Notes on the Ornithology of Cashmir.* J. A. S. B. 1872, pp. 73-86.

Contains short notes on birds met with in Cashmir in May and June 1871. *Certhia hodgsoni*, *Sitta cashmirensis*, *Dumeticola major*, *Horeites pallidus*, *Phylloscopus tytleri*, *Motacilla cashmirensis*, and *Alauda guttata* are described as new.

7. *On two undescribed Cashmir Birds.* J. A. S. B. 1872, pp. 327-329.

These are called *Accentor jerdoni* and *Troglodytes neglectus*.

8. *The Swans of India.* Proc. A. S. B. 1872, pp. 63, 64.

Gives reasons for including *Cygnus olor* and *Cygnus ferus* amongst the birds of India.

9. *On a new Indian Sylvia.* Proc. A. S. B. 1872, p. 66.

[See No. 4.]

10. *On a new Species of Reguloides.* Proc. A. S. B. 1872, pp. 148-150.

Reguloides subviridis, from the north-west provinces, "not uncommon," but hitherto wrongly referred to *R. viridipennis*, Blyth.

BRUCE, H. J.

- Some of the Familiar Birds of India.* Am. Nat. 1872, pp. 460-471.

Notes on birds observed by the author at or near Rahiru, on the bank of the Mula river, in the broad valley of the Godavery.

BRUHIN, TH. A.

1. *Unsere gefiederten Wintergäste.* Zool. Gart. 1872, pp. 157, 158.

Notice of a few birds of Wisconsin, but far from being what one would expect from the title.

2. *Zur nordamerikanischen Vogelsprache.* Zool. Gart. 1872, pp. 187-188 and 221-222.

An endeavour to express the call-notes of certain North-American birds in words.

BUCKLEY, HENRY.

On some new or rare Bird's Eggs. P. Z. S. 1872, pp. 625-626.

The species referred to are *Falco polyagrus*, *Elanoides furcatus*, and *Ictinia mississippiensis*, all from North America.

BUCKLEY, T. E.

[See SHELLEY, G. E.]

BULLER, WALTER L.

1. *A History of the Birds of New Zealand.* London: Van Voorst, 4to.

Of this important work (since completed) four parts were issued in 1872. Part I. contains figures of the following species:—*Hieracidea novæ zealandiæ*, *Circus gouldi*, *Spiloglaux novæ zealandiæ*, *Sceloglaux albifacies*, *Stringops habroptilus*, *Nestor meridionalis*, *Nestor notabilis*, *Platycercus novæ zealandiæ*, *Platycercus auriceps*, *Heteralocha acutirostris*. Part II.:—*Eudynamis taitensis*, *Orthonyx albicilla*, *Orthonyx ochrocephala*, *Pogonornis cincta*, *Prothemadera novæ zealandiæ*, *Xenicus longipes*, *Xenicus gilviventris*, *Sphenæacus punctatus*, *Sphenæacus rufescens*, *Turnagra hectori*, *Turnagra crassirostris*. Parts III. & IV.:—*Creadion carunculatus*, *Glaucopis cinerea*, *Glaucopis wilsoni*, *Carpophaga novæ zealandiæ*, *Coturnix novæ zealandiæ*, *Ocydromus australis*, *Ocydromus earli*, *Rallus dieffenbachii*, *Rallus philippensis*, *Ortygometra affinis*, *Ortygometra tabuensis*, *Notornis mantelli*, *Thiornis novæ zealandiæ*, *Ardea sacra*, *Ardea novæ hollandiæ*, *Casarca variegata*, *Spatula variegata*, *Fuligula novæ zealandiæ*, *Hymenolæmus malacorhynchus*, *Larus bulleri*, *Larus dominicanus*.

2. *Letter from.* Ibis, 1872, pp. 332, 333.

On the species of *Hieracidea*, advocating the existence of two species in New Zealand.

3. Trans. & Proc. N. Z. Inst. vol. v. 1872 (iss. 1873), p. 405.

Some remarks on *Stringops greyi*, *Hieracidea brunnea*, and *Nestor occidentalis*.

BURMEISTER, DR. H.

Synopsis of the Lamellirostres of the Argentine Republic.
P. Z. S. 1872, pp. 364-370.

Twenty-four species are enumerated, and notes given on their localities, frequency of occurrence, and other matters.

CABANIS, DR. JEAN.

1. *Journal für Ornithologie.* XX. Jahrgang. Dritte Folge, 3. Band, mit 1 schwarzen u. 1 farbigen Tafel. (Leipzig, 1872: L. A. Kittler.)

The coloured plate represents the beautiful Tanager *Nemosia rourei*, Cab.; but no letterpress is given. The species was described two years ago (J. f. O. 1870, p. 459).

2. *Remarks on Falco lanarius*, F. jugger, and F. mexicanus. J. f. O. 1872, p. 156.

The new generic term, *Pingohierax*, is proposed for these species.

3. Remarks on *Turdus auroreus*, Pall. This is said not to be the young of *T. sibiricus*, as hitherto believed, but the young of the American *T. naevius*, for which Cabanis has proposed the generic name *Hesperocichla*. J. f. O. 1872, p. 157.

4. Remarks on the male of *Centurus polygrammus*, Cab., from Tehuantepec. J. f. O. 1872, p. 157.

5. Descriptions of *Ægialitis occidentalis*, nov. spec., and *Ægialitis gracilis*, nov. spec., the latter from Tehuantepec; the habitat of the former is not mentioned. J. f. O. 1872, p. 157.

6. Remarks on the Thamnophiline genus *Diallactes* (major, Vieill. &c.), of which are characterized as new *Diallactes semifasciatus*, from Para, Guiana, and Venezuela, and *Diallactes granadensis*, from Bogota. J. f. O. p. 233. (On the former, vide Finsch, P. Z. S. 1870, p. 567, *Thamnophilus major*.)

7. On *Cuculus canorus*, its non-occurrence in Siberia, where it is represented by *C. indicus* and *C. canorinus*. Radde's *C. canorus* is said to be *C. striatus*, Drap. Ibid. p. 235.

8. On *Oreocincla lunulata*, *O. heinei*, and *O. macrorhyncha*, all from Australia and Tasmania. Ibid. p. 236:

9. Remarks on *Pyrrhula cassini*, Baird, as a Siberian species, of which the specimen first described from Alaska by Baird is considered to be an American straggler, and description of *Pyrrhula cineracea*, a new species from Siberia. Ibid. p. 315.
10. Descriptions of the following species, of which the names were published in the Journ. f. Orn., 1866:—*Strix amauronota*, Cab., *Gerygone simplex*, Cab. (*modesta*, Cab., l. c. 1866, p. 10), *Cisticola semirufa*, Cab., *Dermophrys jagori*, Cab., *Oxyerca* (*Uroloncha*) *jagori*, Cab., *Gallinago heterocerca*, Cab. (= *heterura*, Cab., l. c. 1866, p. 28), all from Luçon, Philippines. Ibid. p. 317.
11. Description of *Oriolus formosus*, nov. spec., from Siou, Sangir Islands. Ibid. p. 392.

COLLETT, ROBERT.

1. *Remarks on the Ornithology of Northern Norway*. Forhandl. Vidensk. Selsk. Christiania, 1872, pp. 189–223.

This memoir embraces the ornithological facts resulting from the author's researches during the summers of 1871 and 1872 on the northern and central portions of the Norwegian coast, the results of 1870 having been already published* elsewhere. The notes are ample and of much value to students of distribution. Full details are given respecting the "*Rypeora*," usually supposed to be a hybrid between *Tetrao tetrix* ♂ and *Lagopus albus* ♀, but, according to our author, between the male Ptarmigan and Greyhen. Mr. Collett calls this form *Lagopus tetrici-albus*.

2. *Om Kraniets Assymetri hos Nyctala tengmalmi*. Vidensk. Selsk. Forhandl. Christiania, 1872, pp. 68–73 (with woodcuts).

For the most part a translation from the paper of the same author (P. Z. S. 1871, p. 739).

COUES, ELLIOTT, Assistant-Surgeon U. S. Army.

1. *Key to North-American Birds: containing a concise account of every species of living and fossil bird at present known from the continent north of the Mexican and United-States boundary*. Salem, 1872, 1 vol. 632 pp. large 8vo.

* Ornithologiske Bemærkninger til Norges Fauna (Nyt Mag. f. Naturv. xviii. p. 161).

This important work consists of three parts:—(1) the *Introduction*, containing a popular elementary treatise on the leading principles of ornithology; (2) the *Key*, being an artificial analysis of all the genera and subgenera in one continuous table; (3) the *Synopsis*, containing a systematic synopsis of all the North-American species. The orders, families, and genera are all characterized, and every species shortly described. Few references and no synonyms are given. Many woodcuts are introduced. This is, in our opinion, by far the best popular handbook on the birds of any part of the world yet published.

2. *Observations on Picicorvus columbianus*. Ibis, 1872, pp. 52–59.

An introductory article upon the life-history of this little-known species. Its synonymy is appended.

3. *Contributions to the History of the Blue Crow of America*. Ibis, 1872, pp. 152–158.

A similar article upon *Gymnokitta cyanocephala*.

4. *Studies of the Tyrannidæ*. Part I. *Revision of the Species of Myiarchus*. Proc. Acad. Phil. 1872, pp. 56–81.

Dr. Coues acknowledges 9 species of this difficult genus, dividing some of them into varieties, but is of opinion “that there are only four forms that do not intergrade.” We may remark that *Tyrannus irritabilis* of Vieillot, was *not* founded on Azara's *Suiriri pardo y rojo*, as Dr. Coues will see by turning to the original reference*. Dr. Coues should therefore alter his *Myiarchus crinitus*, var. b, *irritabilis*, l. c. p. 65, to var. *erythrocerus*. But in our opinion this “variety” is sufficiently distinct for specific rank.

5. *Material for a Monograph of the Spheniscidæ*. Proc. Acad. Phil. 1872, pp. 170–212, plates iv., v.

A valuable contribution to our knowledge of the Penguins, but deficient from non-access to specimens from properly determined localities. Dr. Coues acknowledges 2 species of *Aptenodytes*, 3 of *Pygoscelis*, 5 of *Eudyptes*, and 2 of *Spheniscus*—one of the last-named being divided into 2 “varieties.”

* Cf. Sci. et Salv. P. Z. S. 1868, p. 631.

Dr. Coues can never have seen the true *Spheniscus humboldti*; or he would not have united it to *S. magellanicus*.

6. *Osteological notes on the Spheniscidæ*. Proc. Bost. Soc. N. H. xiv. p. 251.

[See HYATT, PROF. ALPHEUS.]

DARWIN, F.

[See GARROD, A. H.]

DAVID, LE PÈRE ARMAND.

1. *Rapport adressé à MM. les Professeurs-Administrateurs du Muséum d'Histoire Naturelle*. Nouv. Arch. du Mus. d'Hist. Nat. vii. Bull. p. 75.

An interesting narrative of Père David's travels and important zoological discoveries in the interior of China.

2. *Observations Zoologiques faites dans la province de Tché-Kiang*. C. R. lxxv. (1872) pp. 64-65.

Contains remarks on an *Ibis* allied to *I. nippon*, which he proposes to call *Ibis sinensis*; on an *Elanus*, very shortly described as *E. sinensis*; and on a *Falco sacroides*, not described at all!

3. *Note sur une espèce nouvelle de Paradoxornis, découverte en Chine, sur un lac du Kiangsou*. C. R. lxxiv. p. 1449, et R. Z. 1872, p. 359.

Paradoxornis heudei, named after its discoverer Père Heude, missionary priest at Shanghai.

4. *Quelques Renseignements sur l'Histoire Naturelle de la Chine Septentrionale et Occidentale*. J. N. China Branch Roy. Asia. Soc. 1871-72, pp. 228-229.

A letter, dated August 1872, containing an outline of the writer's travels and discoveries in China, and of his principal discoveries in every branch of natural history.

DEGREAU, LAURENT.

- La Puissance de l'aile, ou l'Oiseau pris au vol, classification alaïre, précédé d'une préface de Charles Poncy*. 1 vol. 8vo: Marseille et Paris, 1871.

We only know this work from the notice of it, R. Z. 1872, p. 238.

DEVIC, MARCEL.

Sur quelques passages d'un écrivain arabe du X^e siècle, relatifs aux oiseaux gigantesques de l'Afrique sud-orientale.
 Compt. Rend. lxxv. (1872) pp. 1782-1784.

Contains extracts from the "Merveilles de l'Inde" of an Arab writer of the 10th century relating to a gigantic bird on the Zanzibar coast, of which portions of the quills were used as water-pots!

DILLON, J. F.

Letter from. Ibis, 1872, pp. 470, 471.

On a specimen of *Elanus melanopterus*, said to have been killed in Ireland.

DODERLEIN, PIETRO.

1. *Avifauna del Modenese e della Sicilia.* Fascicolo quarto, pp. 173-264 (Palermo, 1872).

(See Ibis, 1872, p. 422.)

2. *Alcune Generalità intorno la Fauna Sicula dei Vertebrati.*
 Ann. Soc. Mod. anno vi. (1872).

Contains some general remarks on the Sicilian avifauna.

DORNER, DR. H.

1. *Nachrichten aus dem zool. Garten in Hamburg.* Zool. Gart. pp. 97-107.

Relates to the Manu-mea, *Didunculus strigirostris*. Previous observations on the habits of this rare bird are collected and compared with those of a living specimen brought over by Dr. Graffe, and now in the zoological gardens at Hamburg. A woodcut illustrates the bird.

2. *Die Papageien-Ausstellung der zoologischen Gärten zu Hamburg.* Svo, pp. 48. Hamburg, 1872.

This seems to be entirely extracted from Finsch's monograph of the Parrots, as are also the short descriptions of the 78 species of living Parrots which were exhibited—a fact which the compiler ought to have mentioned.

DRESSER, H. E.

1. *Exhibition of, and remarks on, some Skins and Eggs of various Species of Reguloides and Phylloscopus.* P. Z. S. 1872, pp. 25, 26.

The species are those mentioned by Mr. Brooks in his

paper in 'The Ibis' (*q. v.*), and also *Phyllopneuste brehmi*, Homeyer, obtained by Mr. Robson near Constantinople, which is considered by Mr. Dresser to be the same as an Indian species, *P. tristrami*, Brooks, MS.

2. *Exhibition of, and remarks upon, the Skins of various Eagles* (Aquila). P. Z. S. 1872, pp. 863-865.

Mr. Dresser's remarks relate to the Imperial and Tawny Eagles and their allies. The Spanish Imperial Eagle is recognized as distinct from *A. mogilnik* and called "*A. adalberti*, R. Brehm."

[See also SHARPE and DRESSER.]

DROSTE, FERDINAND BARON.

Die Vogelschutzfrage. Münster: 1872 (E. C. Brunn).

An essay on what birds are useful and what injurious in agriculture, horticulture, and forestry, and in general. A systematic catalogue of 110 principal species shows their differences in these various respects.

DROSTE, FERDINAND BARON, and BORGGREVE, DR. B.

Bericht über die 19. Versammlung der deutschen Ornithologen-Gesellschaft zu Cassel. Münster: 1872 (E. C. Brunn).

This report contains, besides the general account of the proceedings of the German Ornithologists' Society, several special essays, noticed under the heads of their authors' names.

EHLERS, PROF.

Die Entwicklung des Luftröhrenwurmes der Vögel Syngamus trachealis. Zool. Gart. pp. 25-28 (from the Sitzungsab. der phys.-med. Soc. zu Erlangen, 1871).

An interesting account of the development of this parasite, which is so dangerous to birds.

ELLIOT, D. G.

1. *A Monograph of the Phasianidæ or Pheasants*. Part vi.

This part (which concludes this splendidly illustrated work) contains figures of *Calophasis ellioti*, *Pucrasia darwini*, *Phasianus sammerringi*, var. *scintillans*, and a male hybrid between *Thaumalea amherstiae* and *T. picta*, besides the title-pages, index, introduction, &c. of the two volumes.

2. *On Nyctale kirtlandi*. Ibis, 1872, pp. 48-52.

Maintains that this so-called species is the young of *N. tengmalmi*, and that *N. richardsoni*, the North-American representative of *N. tengmalmi*, is not really specifically distinguishable.

[But see RIDGWAY, Am. Nat. 1872, p. 283.]

3. *Descriptions of two Genera of Paradisidæ, with remarks on some of the Species*. Ibis, 1872, pp. 111-114.

The genera described are *Xanthomelus* (proposed by Bonaparte in 1854) for *Oriolus aureus*, Linn., and *Amblyornis*, gen. nov., for *Ptilorhynchus inornatus* of Schlegel. Mr. Elliot also refers *Sericulus xanthogaster* of Schlegel to the genus *Chlamydodera*.

4. *Description of a supposed new Species of Humming-bird of the Genus Eriocnemis*. Ibis, 1872, pp. 293-295.

Describes *E. dyselius*, sp. nov., from an unknown locality.

5. *The Humming-birds of the West Indies*. Ibis, 1872, pp. 345-357.

Gives a complete list, with critical remarks, of the Trochilidæ of the Antilles. The name *Chrysolampis chlorolæmus*, Elliot, is changed to *Lampornis calosoma*. A table showing the geographical distribution of the West-Indian Trochilidæ in the different islands is appended.

ELWES, H. J.

A Revision of the Genus Henicurus. Ibis, 1872, pp. 250-262, plate ix.

A concise but complete account of the species of this well-marked genus, of "doubtful affinity," though usually placed with the Wagtails. Nine species are recognized, and full particulars given of each of them.

FEILDEN, CAPT. HENRY W.

The Birds of the Færoe Islands. Zool. pp. 3210-3225 and 3245-3257.

Contains some interesting notes, but mainly based on Müller's excellent article "Færøernes Fuglefauna" (Vid. Medd. ser. 2. iv. p. 1).

FINSCH, DR. OTTO.

1. *Remarks on some Birds of New Zealand.* Trans. & Proc. N. Z. Inst. vol. v. 1872, pp. 206-212.

Short notices of 43 species, chiefly as regards their specific value and systematic position: *Petroica longipes* and *P. albifrons* are referred to the genus *Myioscopus*, Reich., and *Petroica macrocephala* and *P. toitoi* to *Myiomoira*, Reich. *Ocydromus australis*, Sparrm., is said to be different from *O. troglodytes*, Gm. *Larus melanorhynchus*, Bull., *L. jamesoni*, Hutt., and *L. bulleri*, Potts, are referred to *L. pomare*, Bruch, of which the author has examined the types in the museum of Mayence.

2. *On Charadrius asiaticus and C. damarensis.* Ibis, 1872, pp. 144-147.

Dr. Finsch's view is that the larger of these two Plovers, which is called by Mr. Harting (Ibis, 1870, p. 209) *Eudromias veredus*, is the true *Charadrius asiaticus* of Pallas. (But see what Mr. Swinhoe says, Ibis, 1870, p. 365.) The smaller, Dr. Finsch would call *Charadrius damarensis*.

3. *Remarks on the "Synopsis of the Genus Chettusia (Lobivanellus), with a description of a new Species, by J. A. Ogden."* Proc. Acad. Phil. 1872, p. 32.

Shows that Mr. Ogden's supposed new species, *Chettusia nivifrons*, is *Limnetes crassirostris* (De Filippi), and gives other critical remarks on Mr. Ogden's paper.

4. *Zur Ornithologie der Samoa-Inseln.* Journ. f. Orn. 1872, pp. 30-58.

A revised list of the birds of this Pacific group, enumerating 51 species. *Phlegænas samoensis* and *P. vitiensis* are names proposed for the species of these islands respectively, in case, as the author believes, they prove to be different.

5. *Revision der Vögel Neuseelands.* Journ. f. Orn. 1872, pp. 81-112, 161-188, et 240-274.

A continuation of former papers on the Ornithology of New Zealand. Of 149 species enumerated as inhabiting these islands, 14 are considered doubtful. *Apteryx mantelli* is regarded as only separable as a race of *A. australis*.

6. *Ueber eine Vögelsammlung aus den Küstenländern der chinesisch-japanischen Meere.* Verhandl. k. k. zoolog.-bot. Gesellsch. Wien, vol. xxii. pp. 253-272.

Contains an account of 57 species of birds, mostly collected by Capt. Paul Conrad in Japan. Three species from Corea (*Scops japonicus*, *Anthus pratensis*, and *Phalaropus cinereus*) are, so far as we know, the first recorded birds from this part of Eastern Asia, if we except some rather problematical species of Schlegel. As usual, the author gives many valuable notes on identifications and on other points.

7. *Ueber die von Frau Amalie Dietrich in Australien gesammelten Vögel.* Verhandl. k. k. zool.-bot. Gesellsch. Wien, vol. xxii. 1872, pp. 315-340.

Enumerates 205 Australian birds, mostly collected in Queensland by Frau Dietrich for the Museum Godeffroyanum. Many remarks and descriptions of unknown stages of plumage are added.

8. *Zur Ornithologie Nordwest-Amerikas.* Abhandl. des naturwiss. Vereins zu Bremen, Band iii. 1872, pp. 17-86.

Contains an account of 55 species of birds from Alaska, which the Lubeck museum received from Mr. Heller, of San Francisco. Many valuable notes on synonymy are given. The species collected by Von Kittlitz at Sitka are included, and a useful list is added of the species figured in the unpublished plates of J. F. von Brandt, which are often referred to as "Brandt, Orn. Ross." or "Brandt, Icon. Av. Ross."

[See also HARTLAUB, DR. G.]

FINSCH, DR. O., and HARTLAUB, DR. G.

Kritik über: Giebel's 'Thesaurus Ornithologiae.' Journ. f. Orn. 1872, pp. 225-230.

A free but truthful criticism on this important publication, giving many references to the numerous and dreadful blunders which it contains.

FISCHER, JOH. VON.

Verzeichniss der Vögel des St. Petersburger Kreises. Journ. f. Orn. pp. 385-390.

An enumeration of 147 species of birds observed in this district of Russia by the writer.

FRASER, HON. CAPTAIN T.

A description of the Earnslough Moa Cave. Trans. & Proc. N. Z. Inst. vol. v. 1872 (iss. 1873), pp. 102-105.

Records an interesting discovery of Moa-bones along with parts of the skin and egg.

FRAUENFELD, GEORG, RITTER VON.

Die Frage des Vogelschutzes. Ein Vortrag gehalten im Verein zur Verbreitung naturwissenschaftlicher Kenntnisse in Wien, 1872.

The author is well acquainted with the subject, and answers the questions relating to it very satisfactorily.

FREYBERG, BARON VON.

Beobachtungen über die Gefrässigkeit unseres Kukuks, Cuculus canorus. Zool. Gart. 1872, pp. 339, 340.

Interesting facts concerning the quantity which a young Cuckoo needs for daily food.

FRITSCH, DR. ANTON.

Die Vögel Böhmens. (Schluss.) Journ. f. Orn. 1872, pp. 366-384.

In the last part of this paper a special enumeration of the species of birds inhabiting and visiting Bohemia is given, raising the total number, including the stragglers, to 297.

GARROD, ALFRED HENRY.

1. *On the Mechanism of the Gizzard in Birds.* P. Z. S. 1872, pp. 525-529.

The author propounds a new view of the action of the gizzard in birds, which he regards as a simple crushing organ, without any (or with very little) lateral or grinding movement.

2. *Notes on the Anatomy of the Huia Bird (Heteralocha gouldi).* P. Z. S. 1872, pp. 643-647.

Shows that *Heteralocha* is truly Passerine, allied to the Sturnidæ, and not related to *Upupa*, as usually supposed.

3. *Note on the Tongue of the Psittacine Genus Nestor.* P. Z. S. 1872, pp. 787-789.

The author shows that the tongue of *Nestor* is by no means fashioned like that of the Lories, and concludes that this genus should not be referred to the Trichoglossinæ.

4. *Note on some of the Cranial Peculiarities of the Woodpeckers.* Ibis, 1872, pp. 357-360.

Mr. Garrod describes a small median bone between the palatines in Woodpeckers, and supported like a vomer on the basisphenoid rostrum. This he believes to be the vomer, which Prof. Huxley believed to be wanting in this group. The bone is figured in a woodcut of the palate of *Gecinus viridis*, p. 359.

GARROD, A. H., and DARWIN, F.

- Notes on an Ostrich lately living in the Zoological Society's Gardens.* P. Z. S. 1872, pp. 356-363.

Contains remarks on the anatomy, and in particular describes and figures a new bone attached to the anterior border of the pubic portion of the os innominatum. The bird examined died from copper-poisoning, caused by swallowing a large number of copper coins.

GIEBEL, DR. C. G.

1. *Thesaurus Ornithologiae. Repertorium der gesammten ornithologischen Literatur und Nomenclator sämmtliche Gattungen und Arten der Vögel nebst Synonymen und geographischer Verbreitung.* 1 vol. in 2 Halbbänden. Lexiconf. pp. 868. Leipzig: F. A. Brockhaus, 1872.

The well-known Professor of Halle, who has already furnished zoological literature with many works on various branches, has now entered on ornithology, and with a work which all ornithologists would salute with the utmost pleasure and thankfulness if it had been carried out in a somewhat better way. The title promises very much; but the work itself proves to be merely a compilation of a laborious writer who has collected an enormous mass of names and synonyms, without such understanding of the subject as the author of such a pretentious work ought to have. Some of the numerous and indescribable blunders and errors in the bibliographical part are corrected in the reprint of pp. 193-212 appended to the second half-volume. To this volume the author also appends a reprint of his "defence" (*Zeitschr. f. ges. Naturw.* 1872, pp. 130-137) against the criticisms which appeared in '*Literarisches Centralblatt für Deutschland*' von

Prof. Fr. Zarnke (No. 9, 2 März, 1872, pp. 215–217), and directs his attacks chiefly against Dr. Hartlaub, although the author of these criticisms is really Dr. Finsch (*l. c.* p. 318).

2. *Thesaurus Ornithologiae. Selbstanzeige des Verfassers.* Journ. f. Orn. 1872, pp. 65–67.

A Report of the author on his own work and on the mode of its preparation, explaining that he did all he could to make it as complete as possible. As regards this point we need only refer to the criticisms of Drs. Finsch and Hartlaub (*v. ant.* p. 448), which give a good idea of the imperfections and errors of the work.

3. *Über die Gattung Peltops, Wagl.* Zeitschr. für die gesammten Naturw. neue Folge, 1872, Band v. pp. 481–485.

Compares and distinguishes the characters of *Peltops* and *Cymbirhynchus*. According to his pterylographical researches the author is led to believe in a relation between *Peltops* and *Todus*. But compare Selater's remarks, *Ibis*, 1872, p. 177.

4. *Vogelschutzbuch. Die nützlichen Vögel unserer Aecker, Wiesen, Gärten und Wälder. Nothwendigkeit ihrer Pflege und Schonung u. ihre hohe Bedeutung für die Vertilgung schädlicher Thiere.* 3. Auflage, Berlin, 1872. Wiegand und Hempel, 8vo, pp. 162, with 88 woodcuts (heads and feet).

After some general remarks on this subject, descriptions of 75 species of birds considered "useful" are given, together with notes on their habits, distribution, &c.

5. *Zeitschrift für die gesammten Naturwiss. Neue Folge,* 1872, Band v.

Merely as a matter of curiosity we notice that p. 429 includes a criticism on Finsch and Hartlaub's 'Vögel Ost-Africas' (see *Ibis*, 1870, p. 433), which characterizes this elaborate work as scarcely of any use, &c., a subjective opinion in which no working ornithologist will agree.

GIRTANNER, DR. A.

Ornithologischer Streifzug durch Graubünden ausgeführt im Juni 1871. Verh. der St. Gallischen naturw. Ges. 1870–71; and Separatabdruck: St. Gallen, 1872 (Zollikofer), pp. 72, 8vo.

A very interesting and attractively written account of several excursions in the high Alps and of the birds observed amongst them, especially *Aquila fulva* and *Fregilus graculus*. Some new evidence that *Gypaetus barbatus* sometimes attacks mankind is given.

GLASER, PROF. L.

Zur Sperlingsfrage. Zool. Gart. 1872, pp. 292-301.

After a recapitulation of the pros and cons whether our *Passer domesticus* is a useful bird or not, the author comes to the conclusion that the question is not yet to be settled.

GODMAN, F. DU CANE.

Notes on the Resident and Migratory Birds of Madeira and the Canaries. Ibis, 1872, pp. 158-177, 209-224.

Mr. Godman visited Teneriffe, Palma, and Gran Canary in the spring of 1871, and subsequently Madeira. After a short account of his ornithological experiences, he gives a complete list of the resident and regular migratory birds of Madeira and the Canaries, with remarks principally on their time of occurrence and distribution. The species included in the list are 85 in number. The two species of *Columba*, *C. laurivora* and *C. trocaz*, which have been much confounded together, are carefully discriminated, and a third of the group (from Teneriffe) described as *Columba bollii*.

GODWIN-AUSTEN, MAJOR H. H.

Third list of Birds obtained in the Khasi and Garo hill-ranges, with some corrections and additions to the former lists. J. A. S. B. 1872, pp. 142-143.

Gives 25 species additional to former lists, and notices several alterations in nomenclature.

GOEBEL, H.

Ueber Aquila pennata und minuta. Journ. f. Orn. 1872, pp. 454-463.

After an extensive and systematic report on the eggs, nests, colour and call of the parent birds observed and collected by him near Uman, in Russia, the author comes to the conclusion that, after all his researches, he is unable to say whether

A. minuta is distinguishable as a species from *A. pennata* or not.

GOULD, JOHN.

1. *The Birds of Asia*. Part xxiv. London: 1872.

Mr. Gould's yearly part contains figures of the following species: *Strix indica*, *Strix candida*, *Trochalopteron phæniceum*, *Trochalopteron formosum*, *Pitta arquata*, *Pitta megarrhyncha*, *Ithaginis geoffroyii*, *Cerionis blythii*, *Turdinus brevicaudatus*, *Yuhina diademata*, *Pellorneum palustre*, *Gallinula phænicura*, *Eurynorhynchus pygmæus*, *Passer ammodendri*, *Cypselus infumatus*.

2. *The Birds of Great Britain*. Parts xxi., xxii. London: 1872.

These two parts (bearing the dates August and September) contain figures of the following species: *Neophron percnopterus*, *Anas boschas*, *Nyroca leucophthalmos*, *Cygnus olor*, *Cygnus ferus*, *Cygnus minor*, *Tetrao urogallus*, *Calamoherpe palustris*, *Euspiza melanocephala*, *Curruca orphea*, *Melanocorypha calandra*, *Squatarola helvetica*, *Falcinellus igneus*, *Machetes pugnax*, *Falco gyrfalco*, *Falco islandus*, *Falco candidans*, *Milvus migrans*, *Petrocossyphus cyaneus*, *Budytes cine-reocapilla*, *Actiturus bartramius*, *Botaurus lentiginosus*, *Rhodostethia rossii*, *Ancylocheilus subarquata*, *Actocheilidon cantiaea*, *Phalacrocorax graculus*.

3. *Exhibition of, and Remarks on, a Specimen of Ross's Gull* (*Larus rossi*) in Adult Summer Plumage. P. Z. S. 1872, p. 1.

4. *Descriptions of two new Species of Humming-Birds*. Ann. & Mag. N. H. ser. 4. ix. pp. 195, 196 (1872).

The two species here described are called *Helianthus micraster*, from St. Lucas, near Loxa, in Ecuador; and *Chlorostilbon pumilus*, from Citado and Pallatanga, in Ecuador.

5. *On a new Species of Thrush pertaining to the Genus Oreocincla*. Ann. & Mag. N. H. ser. 4. ix. p. 401 (1872).

Oreocincla iodura, from "Queensland and Northern Australia."

6. *On two new Species of Birds.* Ann. & Mag. N. H. ser. 4. x. p. 114 (1872).

Dicæum retrocinctum, from the Philippines, and *Colluricincla parvissima*, from "Rockingham Bay, East Australia."

7. *Descriptions of three new Species of Humming-birds.* Ann. & Mag. N. H. ser. 4. x. pp. 452-453 (1872).

The three species here described are called :—*Iolæma white-lyana*, from Cosnipata, province of Cusco, in the Peruvian Andes; *Adelomyia chlorospila*, from San Antonio, in the Peruvian Andes; and *Adelomyia cervina*, from near Medellin, in Columbia.

GRAY, ROBERT.

1. *Letter from.* Ibis, 1872, pp. 201, 202.

On a specimen of Balearic Crane (*Grus pavonina*) shot near Dalry, in Ayrshire.

2. *Letter from.* Ibis, 1872, pp. 335, 336.

On Pallas's Sand-Grouse seen in Ayrshire.

GRAYSON, COL. ANDREW J.

On the Physical Geography and Natural History of the Island of the Tres Marias and of Socorro, off the Western Coast of Mexico. By Col. ANDREW J. GRAYSON. Edited by GEO. N. LAWRENCE. Proc. Bost. Soc. N. H. xiv. pp. 261-302.

Contains an account of the late Col. Grayson's expeditions to the islands of Tres Marias and Socorro, off the western coast of Mexico, and Catalogues of their birds. In Tres Marias 53 species were met with, amongst which was a new Humming-bird of the genus *Pyrrhophæna*, named by Mr. Lawrence *P. graysoni*. Other species, peculiar but already described, are *Granatellus francescæ*, Baird, and *Icterus graysoni*, Cassin.

Socorro, belonging to the Revillagigedo group, was visited by Col. Grayson in 1867. Here 14 species were obtained, amongst which were the new species described by Lawrence and Baird in 1871. (See Ibis, 1872, p. 440.)

GULLIVER, GEORGE.

On the Œsophagus of the Pied Hornbill (Toccus melano-leucus): being an Appendix to a paper on the Taxonomic

Character of the Muscular Sheath of that Tube as regards Sauropsida. P. Z. S. 1872, pp. 16-18.

Mr. Gulliver shows that this bird has no transversely striated muscular fibre on the œsophagus, and agrees in this respect with the rest of the class Aves.

GUNDLACH, DR. JEAN.

Neue Beiträge sur Ornithologie Cubas. Nach Eigeners 30-jährigen Beobachtungen zusammengestellt. Journ. f. Orn. 1872, pp. 401-432.

A continuation of this highly valuable paper, mentioned in our last Index (Ibis, 1871, p. 431), treating of the species of Turdidæ, Sylviidæ, Sylvicolidæ, Tanagridæ, Tyrannidæ, Muscicapidæ, and Hirundinidæ.

GÜNTHER, DR. A.

Note on a Deformed Example of Cariama cristata. Ann. & Mag. N. H. ser. 4. x. p. 67.

The specimen described is in the British Museum: it has an abnormally short neck and legs.

GURNEY, JOHN HENRY.

1. *Notes on the Birds of Damara Land and the adjacent Countries of South and West Africa.* By the late CHARLES JOHN ANDERSSON. Arranged and edited by JOHN HENRY GURNEY. London: 1872. 8vo, pp. 394.

A valuable contribution to our knowledge of South-African ornithology. Besides Andersson's notes, remarks on questions of synonymy, distribution, &c. are added by the editor. The species commented upon are 428 in number, "observed either as residents, as migrants, or as accidental visitors in that part of South-western Africa, of which Damara Land is the central portion," identified in most cases by the editor from personal examination. The frontispiece gives a map of the district; and three lithographic plates are added of the sternum and trachea of *Machirhamphus anderssoni*.

2. *Letter from.* Ibis, 1872, p. 83.

On a supposed Indian specimen of *Athene noctua*, which is identified as *A. brama*, and on *Otus brachyotus* from the Sandwich Islands.

3. *Letter from.* Ibis, 1872, p. 327-330.

Notes on certain Accipitres from the island of Formosa, on *Aquila clanga*, *Oreocincla*, on the incubation of the Ostrich, and on the occurrence of *Somateria stelleri* in the North Pacific.

4. *Letter from.* Ibis, 1872, pp. 472, 473.

Refers the Spanish Eagles typical of *Aquila adalberti* in the Norwich Museum to *Aquila imperialis*.

HANF, P. BLASIUS.

Ornithologische Beobachtungen am Furtteiche zu Mariahof im Jahre 1871. Verhandl. der k. k. zool.-botan. Gesellsch. Wien, Band xxii. 1873, pp. 399-404.

Pater Hanf gives notices of the birds observed by him during their migration in spring and autumn on the Furt lake, near Judenburg, in Styria. Amongst these are *Anthus richardi* and *A. rufogularis*.

HANSMAN, DR. A.

Unter den Cormoranen. Journ. f. Orn. 1872, pp. 310-314.

A record of an excursion to the breeding-places of Cormorants in the neighbourhood of Stettin.

HARTING, JAMES EDMUND.

A Handbook of British Birds, showing the Distribution of the Resident and Migratory Species in the British Islands, with an Index to the Records of the Rarer Visitants. London: 1872. 8vo, pp. 198.

This is a list of British birds, with an account of the time of occurrence and distribution of each Species in the British Isles. The first part contains "British birds, properly so called, being residents, periodical migrants, and annual visitants." The second enumerates "the rare and accidental visitants," and is likely to be exceedingly useful to students of the British ornithology, as giving under the head of each species an exact account of the place and time of every occurrence and a reference to the work in which it is recorded.

HARTLAUB, DR. G.

Bericht über die Leistungen in der Naturgeschichte der Vögel während des Jahres 1871. Wiegmann's Arch. Jahrg. xxxviii. 1872.

Dr. Hartlaub's report on the progress of our favourite branch of biology in 1871 is drawn up with his usual care and accuracy. We regret to have to add that after twenty-five years' performance of this arduous task, Dr. Hartlaub cannot undertake to continue it longer. We believe Herr August von Pelzeln, of Vienna, is to be his successor.

[See also FINSCH, Dr. O.]

HARTLAUB, G., and FINSCH, O.

On a Fourth Collection of Birds from the Pelew and Mackenzie Islands. P. Z. S. 1872, pp. 87-114.

Contains an account of a collection formed in the Island of Uap, of the Mackenzie group, by Mr. Kubary (a traveller in the service of Mr. Godeffroy of Hamburg), and of birds collected by Capts. Heinsohn and Peters (masters of vessels belonging to Mr. Godeffroy) partly in the same island and partly in the Pelews. Eleven species are thus added to the fauna of the Pelew Islands, making 53 in all, and 14 to that of the Uap, the only explored island of the Mackenzie group, where only 6 were previously known. The new species described are 9:—*Noctua podargina* and *Caprimulgus phalæna* from the Pelews; *Zosterops hypolais*, *Z. oleaginea*, *Rhipidura versicolor* and *Campephaga nesiotis* from Uap; *Campephaga monacha* and *Phlegænas canifrons* from the Pelews, and *Phlegænas yapensis* from Uap.

HEUGLIN, TH. VON.

1. *Reisen nach dem Nordpolarmeer in den Jahren 1870 und 1871.* Erster Theil. 1 vol. 8vo. Braunschweig: 1872.

This volume contains the narrative of the expedition. Many incidental allusions to birds are introduced. The second volume will contain an account of the scientific results of the expedition.

2. *Ornithologie Nordost-Africas, der Nilquellen, und Küsten-Gebiete des Rothen Meeres und des nordlichen Somalilandes.* Lexiconf. (Cassel: Theodor Fischer). 1872, Lief. 32—? (pp. 853-1044).

We fully agree with the many complaints of the irregular appearance of this large work, and are not able to state how

many parts were issued in 1872, as they bear no sign of date or number. As far as we can ascertain, pp. 850–1044 were issued, containing the Gallinæ, Struthionæ, and Grallæ as far as *Dromas ardeola*. The following birds are figured:—Tab. i. *Falco semitorquatus*; iii. *Circaëtus zonurus*, ad. et jun.; vi. *Merops cyanophrys*; vii. *Atticora griseopyga*; ix. *Catruscus apicalis*; x. *Tricholais elegans*; xi. *Eremomela griseo-flava*; xiii. *Bessornis heuglini*; xv. *Elminia longicauda minor*; xvi. *Muscicapa minima*, *M. aquatica*; xvii. *Stenostira plumbea*, ad. et jun.; xix. a. *Hyphantica hæmatocephala*; xxiii. *Geocoraphus modestus*; xxiv. *Corythaix leucolophus*; xxv. b. *Schizhoris personata*; xxvi. *Psittacus citreicapillus*; xxvii. Heads of *Pogonorhynchus rollettii*, *P. leucocephalus*, and *P. diadematus*; xxviii. *Barbatula uropygialis*; xxx. *Francolinus schlegelii*.

3. *Notes on the Birds of Novaja Zemlia and Waigats Island*. Ibis, 1872, pp. 60–65.

A short account of the ornithological results of the author's voyage to Novaja Zemlia in 1871. The list of birds of Waigats Island and Novaja Zemlia appended contains 43 species, besides others seen but not obtained during Hr. v. Heuglin's expedition.

4. *Die Rosenthal'sche Expedition nach dem Nordpolarmeer. Ornithologie von Novaja Semlja und der Waigatsch-Insel*. Journ. f. Orn. 1872, pp. 113–128.

An enumeration of the birds of Novaja Semlja, 31 of which were observed by the author himself during his last arctic voyage, the others by Von Baer and Gillett, amounting altogether to 43 species.

5. *Nachtrag zur Ornithologie von Novaja-Semlja und der Waigatsch-Insel*. Journ. f. Orn. 1872, p. 464.

Falco æsalon is added to the avifauna of this arctic region.

6. *Nachrichten über Novaja-Semlja. Auszug aus einem Schreiben an Hrn. v. Middendorf*. Bull. Ac. Imp. St. Pétersbourg. xvi. p. 566; Mém. Biol. viii. pp. 220–225.

Gives a short account of the above-mentioned visit to Spitzbergen and Waigatsch, and of the birds observed and obtained.

HOCKER, J.

Schwarze Eier Hausenten, *Anas boschas*. Journ. f. Orn. pp. 232, 233.

On a case of a Duck laying black eggs.

HOLDEN, JR., C. H.

Notes on the Birds of Wyoming and Colorado Territories ; with additional Memoranda by C. E. AIKEN. Proc. Bost. Soc. N. H. xv. pp. 193-211.

Contains observations on 142 species, mostly collected near the Black Hills in the northern part of Colorado and Southern Wyoming. Eggs of many interesting species were obtained.

HOLDSWORTH, E. W. H.

1. *Catalogue of the Birds found in Ceylon, with some Remarks on their Habits and Local Distribution, and Descriptions of two New Species peculiar to the Island*. P. Z. S. 1872, pp. 404-483, tt. xvii.-xx.

A very complete catalogue, preceded by explanatory remarks on the general character of the Ceylonese avifauna. The range of the species and critical notes on their affinities and habits are given. The new species described are *Arrenga blighi* and *Zosterops ceylonensis*. These are both figured, as are also *Erythrosterna hyperythra*, *Brachypteryx palliseri*, and *Zosterops palpebrosus*. The total number of Ceylonese birds enumerated is 323, of which 37 are restricted to the island.

2. *Letter from*. Ibis, 1872, pp. 473, 474.

Relates to the occurrence of *Emberiza huttoni* in China.

HOLTZ, LUDWIG.

1. *Ueber Molobrus-Eier, zu Cantagallo in Brasilien von C. Euler gesammelt*. Journ. f. Orn. 1872, pp. 193-201.

A continuation of the author's former paper on this subject (Journ. f. Orn. 1870, pp. 15-19) and in the same tedious style, but curiously enough without naming the species. The figures of "*Molobrus-Eier*" on tab. i. (figs. a-e) belong to this paper, although they are not cited at all.

2. *Aquila pennata*. Journ. f. Orn. 1872, p. 286-305.

In his usual lengthy manner the author describes a series of this species and their eggs, taken by him near Uman, in

Russia, and comes to the conclusion that *Aquila minuta*, Brehm, is *not* a good species.

3. *Die Raubvögel Neu-Vorpommerns und der Inseln Rügen, Usedom und Wollin.* Mittheilungen aus dem naturw. Verh. von Neu-Vorpommern und Rügen, 3. Jahrg. 1871, pp. 12-39.

This paper was overlooked in our last Index; 28 species of diurnal and nocturnal Rapaces are recorded, with notes on their nest, breeding, &c.; a single instance of the occurrence of *Vultur fulvus* is stated.

HOMÉYER, E. F. VON.

1. *Die sibirischen Laubvögel.* Journ. f. Orn. 1872, pp. 201-239.

Relates to 9 species of Warblers obtained from Siberia by L. Taczanowski, and their distinctive characters; but the determinations of the species and their synonyms are apparently in some cases wrong. Thus *Phyllopneuste indica* (p. 203) has nothing to do with *P. magnirostris*, Bl.; *P. evermanni* (p. 204) is the true *magnirostris*, Bl., and not *evermanni* of Bonaparte; *P. coronatus*, "T. & S." is *P. viridanus*, Bl., &c.

2. *Ferd. Baron Droste, Bericht über die xviii. Versammlung der deutschen Ornithologen-Gesellschaft*, 1870. Journ. f. Orn. 1872, pp. 305-309.

A correction in respect of the occurrence of a number of species mentioned in the above-cited pamphlet.

3. *Bemerkungen über einige Vögel Norddeutschlands mit besonderer Rücksicht auf die Vögel Pommerns.* Journ. f. Orn. 1872, pp. 332-340.

Short remarks on the occurrence of a number of species in this part of Germany.

HUDSON, W. H.

1. *On the Birds of the Rio Negro of Patagonia; with Notes by P. L. SCLATER.* P. Z. S. 1872, pp. 534-550, t. xxxi.

A very interesting series of notes on the birds obtained by the author during a visit to Carmen, on the Rio Negro of Patagonia. Altogether 126 species were procured, 93 of which are also found on the pampas of Buenos Ayres. The species

are determined and notes are added by Mr. Sclater. One species (*Cnipolegus hudsoni*) is described by Mr. Sclater as new, and figured, pl. xxxi.

2. *On the Habits of the Swallows of the Genus Progne met with in the Argentine Republic; with Notes by P. L. SCLATER.* P. Z. S. 1872, pp. 605–609.

The Swallows spoken of are three of the genus *Progne*, on the species of which Mr. Sclater gives a note.

3. *Notes on the Habits of the Churinche* (*Pyrocephalus rubineus*). P. Z. S. 1872, pp. 808–810.
4. *Further Observations on the Swallows of Buenos Ayres.* P. Z. S. 1872, pp. 844–846.

Gives notes on the habits of *Atticora cyanoleuca* and *Hirundo leucorrhœa*.

HUME, ALLAN.

1. *Descriptions of Six new Species of Indian Birds.* Ibis, 1872, pp. 107–111.

The species described are:—*Chrysomitris thibetana* and *Dumeticola cyanocarpa*, from Sikim; *Horornis erythrogegens* and *Horeites brunnescens*, from Darjeeling; *Siphia minuta*, from Sikim; and *Drymæpus rufescens*, widely diffused in Northern India.

2. *Letter from.* Ibis, 1872, pp. 468–469.

Contains a list of birds obtained in Scinde.

3. *Notes on a few Species of Barmese Birds.* Proc. A. S. B. 1872, pp. 70, 71.

These were collected by Capt. Fielden at Thayetmyo, and include *Lithofalco fieldeni* [see Walden *infra*, p. 491] and *Micropternus barmanicus*, “a race” of *M. phaiiceps*.

4. *Novelties.* Str. Feath. i. pp. 1–10 (1872).

Ptionoprogne cinerea, from Sindh; *Saxicola alboniger*, from Sindh; *Pellorneum palustre*, from the Khasia Hills; *Puffinus persicus*, from the coast of Kurrachee; *Pomatorhinus obscurus*, from Mount Aboo; *Ephialtes brucei*, from near Ahmednuggur; *Drymoipus insignis*, from Saugor, Mount Aboo, and Raipoor; *Ninox obscurus*, from the Nicobars; *Mirafra immaculata*, from

the neighbourhood of Mussoorie; *Procarduelis mandellii*, from Darjeeling; and *Eudromias tenuirostris*, from Burmah.

5. *Falco barbarus in India*. Str. Feath. i. pp. 19–21 (1872).

A male of this species procured by Dr. Stoliczka in Cutch and a female from Central India are described.

6. *On the Breeding of Elanus melanopterus*. Str. Feath. i. pp. 21–26 (1872).

Describes the breeding of this species as observed by Mr. F. R. Blewitt in the Sumbulpoor district, and by Mr. Adam near Sambhur in Rajpootana.

7. *The Wagtails of India*. Str. Feath. i. pp. 27–31 (1872).

Remarks on the grey and black Wagtails allied to *Motacilla alba*.

8. *Phœnicopterus minor*, Geoff. St. Hil. Str. Feath. i. pp. 31–35 (1872).

Identifies *Phœnicopterus rubidus*, Feilden (Ibis, 1868, p. 496) with the female of *P. minor*, and gives Mr. Adam's notes on its occurrence at the Sambhur Lake, in Rajpootana.

9. *A New? Polyplectron*. Str. Feath. i. pp. 35–36 (1872).

Describes some tail-feathers (!) of a *Polyplectron* obtained in the Looshaic country, and proposes, if the bird be really new, to name it *intermedius*!

10. *Otocaris (sic!) elwesi*, Blanford. Str. Feath. i. pp. 36–38 (1872).

Identifies this species with *O. longirostris*.

11. *The Skylarks of India*. Str. Feath. i. pp. 38–41 (1872).

Comes to the conclusion that there are only two good Indian species, *Alauda arvensis* and *A. malabarica*.

12. *Fringilauda nemoricola*, Hodgson, *Fringilauda sordida*, Stol. Str. Feath. pp. 41–43 (1872).

States reasons for identifying Dr. Stoliczka's species with that of Hodgson.

13. *Contributions to the Ornithology of India*. Str. Feath. i. pp. 44–49 (1872).

States the main results of the author's expedition to Sindh

and up the Mekran coast. 1200 skins were obtained, representing 250 species, of which 18 were new to the Indian avifauna.

14. *First Draft of a Conspectus of the Avifauna of India and its Dependencies.* Str. Feath. i. pp. 49-50 (1872).

Announcement of an intended work under this title.

HUTTON, CAPT. F. W.

1. *Letter from.* Ibis, 1872, pp. 83, 84.

Contains the synonyms of two of Foster's Petrels, *Procellaria tristis* and *P. gavia*.

2. *On the Flight of Birds.* Ibis, 1872, pp. 139-143.

3. *Letter from.* Ibis, 1872, p. 201.

States that his supposed new species, *Colluricincla concinna* = *Graucalus melanops*. [But see below, No. 6.]

4. *On the Flight of the Black-backed Gull* (*Larus dominicanus*). Trans. & Proc. N. Z. Inst. vol. v. pp. 140-144.

5. *Notes on some of the Birds brought by Mr. Henry Travers from the Chatham Islands, with Descriptions of new Species.* Trans. & Proc. N. Z. Inst. vol. v. pp. 222-224.

Relates to nine species, of which *Miro traversi* and *Rallus modestus* are considered new. The species previously called *Phalacrocorax africanus* is now also considered to be new (i. e. *P. featherstoni*, Bull.).

6. *Notes on Colluricincla concinna.* Trans. & Proc. N. Z. Inst. vol. v. pp. 226, 227.

The bird in question is not *Graucalus melanops*, as previously stated by the author, but a good species, which should stand as *Graucalus concinnus*. A few more instances of the occurrence of this species in New Zealand are recorded.

7. *On the Geographical Relations of the New-Zealand Fauna.* Trans. & Proc. N. Z. Inst. vol. v. pp. 227-256.

The birds in this excellent article are treated of at pp. 231-239; and many interesting facts are noticed.

[See also TRAVERS, H. H.]

HYATT, PROF. ALPHEUS.

1. *Catalogue of the Ornithological Collection of the Boston*

Society of Natural History. Proc. Bost. Soc. N. H. xiv. pp. 237-251.

[Treats of the Spheniscidæ in the collection, commencing with remarks on the general characters of the family, especially on the pterylography. *Spheniscus demersus* is united with *S. magellanicus*, we believe, quite erroneously; but it seems that there is only one young specimen of the former and one adult of the latter available for comparison. Some osteological notes by Dr. Elliott Coues are added.

2. *Annual Report as Custodian of the Museum of the Boston Society of Natural History.* Ibid. xv. p. 164.

A notice of the state of the collection of birds and eggs and of the principal additions thereto is given, p. 179.

IRBY, L. HOWARD.

Letter from. Ibis, 1872, pp. 199-201.

Contains several additions to Mr. H. Saunder's "List of the Birds of Southern Spain," and a list of the Sylviidæ of the vicinity of Gibraltar.

JERDON, T. C.

Supplementary Notes to the 'Birds of India.' Ibis, 1872, pp. 1-22, 114-139, 297-310, plates i. and vii.

A series of notes accumulated by the late lamented author of the 'Birds of India' from all quarters, with a view of ultimate incorporation in a new edition of his well-known work. They relate to the Accipitres and Insectores as far as the end of the Merulidæ (vol. i. and vol. ii. to p. 75) of Dr. Jerdon's arrangement. *Polyphasia passerina* and *Turdus dissimilis* are figured.

JESSE, W.

[See LABOUCHERE, H. M.]

JOBERT.

Recherches sur la Structure intime du bec de la Spatule (Platalea). Compt. Rend. lxxv. (1872) pp. 1780-1782.

Abstract of a description of the minute anatomy of the bill of the Spoonbill.

KOCH, GOTTLIEB VON.

1. *Die Stellungen der Vögel.* Für Präparatoren, Ausstopfer

und Freunde der Vögel. II. Heft. Mit 130 Figuren auf 10 Tafeln. 8vo, 1872. Heidelberg: C. Winter.

We have received several excellent recommendations of this little book on taxidermy, but have not seen it.

2. *Briefliches von den Moorweihern bei Erlangen.* Journ. f. Orn. 1872, pp. 138, 139.

Sixty-one species of birds were observed during a three days' stay on the swamps of Erlangen.

KRÜPER, DR. TH.

1. *Ueber den Zwergadler, Aquila pennata, Brutvogel in Macedonien.* Journ. f. Orn. 1872, pp. 59–64.

Observations on the breeding of *Aquila pennata* and *A. nœvia* in the woods of Neochori, near Salonica.

2. *Ueber den kurzfüssigen Sperber, Nisus badius, Brutvogel in Macedonien.* Journ. f. Orn. 1872, pp. 129–131.

The species observed by Dr. Krüper is *Nisus* (sive *Accipiter*) *brevipes*, Severzow, and not *N. badius*. The well-known collector writes of the nests and eggs found by him in the neighbourhood of Salonica.

LABOUCHERE, H. M., and JESSE, W.

Bird-Life. By Dr. A. E. Brehm. Translated from the German. London: 1872. Parts iv., v., vi. Large 8vo.

Three parts of this work were published last year. See Ibis, 1872, p. 193, for a notice of the work.

LANDOIS, DR. H.

Jahres-Bericht 1872, des Westfälischen Vereins für Vogelschutz, Geflügel- und Singvogelzucht. 8vo. Münster.

Report of a local Society, not containing much of general interest.

LAWRENCE, GEORGE N.

Descriptions of new Species of Birds of the Genera Icterus and Synallaxis. Ann. Lyc. N. Y. x. pp. 184–186.

These are *Icterus formosus*, from Tehuantepec, and *Synallaxis maculata*, from Western Peru. [The latter = *S. stictothorax*, Sclater.]

[See also GRAYSON, COL. ANDREW J.]

LAYARD, E. L.

Letter from. Ibis, 1872, pp. 336-338.

Contains remarks on the birds seen during a voyage to Pará.

LEE, DR. R. J.

On the Sense of Sight in Birds, accompanied by a description of the Eye, and particularly of the ciliary muscle in three Species of the Order Rapaces. Proc. Roy. Soc. and Ann. & Mag. N. H. ser. 4. x. pp. 142-150 (1872).

LEGGE, VINCENT.

[See SCLATER, P. L.]

LIEBE, DR. K. Th.

Die der Umgebung von Gera angehörigen Brutvögel. Verhandl. der Gesellsch. von Freunden der Naturwiss. in Gera. III. Band, 1868-1872, pp. 26-55.

The considerable number of 129 species are noticed as breeding-birds near Gera and its environs. *Turdus pilaris* becomes more common every year.

LLOYD, J. HAYES.

1. *Letter from.* Ibis, 1872, pp. 197, 198.

Gives reasons for belief that *Cyornis tickelliæ* is the female of *C. banyumas*. [Cf. WALDEN, VISCOUNT, *infra*, p. 490.]

2. *Letter from.* Ibis, 1872, p. 202.

On *Hypsipetes neilgherriensis* and *H. ganeesa*, giving a description of the latter.

LOEWIS-KUDLING, O. VON.

Frühzeitiges Erscheinen der Zugvögel in Liefland im Frühjahr 1872. Zool. Gart. 1872, pp. 282, 283.

Gives dates of the arrival of 18 species of birds in Livonia in the spring of 1872, and comparisons with the dates in former years.

LÜHDER, WILHELM.

Über die Raben Neu-Vorpommerns und Rügens. Mittheil. aus dem naturw. Vereine von Neu-Vorpommern und Rügen. 3. Jahrg. 1871, pp. 40-52.

Nine species are spoken of in this paper, which was omitted in our last Index ; it contains besides some good observations.

MAIR, MAJOR, W. G.

Notes on Rurima Rocks. Trans. & Proc. N. Z. Inst. vol. v. 1872 (iss. 1873), pp. 151–153.

The locality lies in the Bay of Plenty; *Graculus varius* and *Anthornis melanura* were the only birds observed here.

MANTELL, W. B. D.

On Moa-beds. Trans. & Proc. N. Z. Inst. vol. v. 1872, (iss. 1873), pp. 94–97.

An account of several localities where Moa-bones have been found by the author.

MARCHAND, A.

Notes sur les Poussins des oiseaux d'Europe. R. Z. 1872, pp. 91–96, 161–164, 192–197.

Descriptions of the down-stages of plumage in various European birds. Those of *Sterna caspia* and *Haliaetus albicilla* are figured.

MAREY.

Mémoire sur le Vol des Insectes et des Oiseaux. Ann. Sc. Nat. 5^e sér. xv. art. 13.

A learned disquisition upon the mode of flight in insects and birds.

MARSH, PROF. O. C.

1. *Discovery of a remarkable Fossil Bird.* Silliman's Journ. n. s. iii. p. 56, and Ann. & Mag. N. H. ser. 4, ix. p. 326 (1872).

Hesperornis regalis. (See below.)

2. *Description of Hesperornis regalis, with notices of Four other new Species of Cretaceous Birds.* American Journ. Sc. & Arts. ser. 3, vol. iii. p. 360, and Ann. & Mag. N. H. ser. 4, x. pp. 212–217.

Hesperornis is made the type of a new family allied to the Colymbidæ. The remains, belonging to five individuals, were discovered in the grey shale of the Upper Cretaceous of western Kansas. The other species described are *Graculavus velox*, *G. pumilus*, and *G. anceps* (belonging to a new genus of Cormorants), and *Paleotringa vagans*, allied to *P. littoralis* previously described.

3. *Notice of some New Tertiary and Post-Tertiary Birds.*
Am. J. Sc. ser. 3. iv. pp. 256-262.

The species described are *Alctornis nobilis*, *A. pernix*, *A. venustus*, and *A. gracilis*, from the Lower Tertiaries of Wyoming; *Uintornis lucaris*, from the same strata; *Catarractes affinis*, *Meleagris altus*, *M. celer*, and *Grus proavus*, from the Postpliocene of the Atlantic coast. *Aletornis* is a new genus of "Wading-birds"! *Uintornis*, a new genus of Scansores, "probably allied to the Woodpeckers"!

MARSHALL, C. H. T., and MARSHALL, G. F. L.

Letter from, Ibis, 1872, p. 327.

Remarks on *Megalaema marshallorum* and *Calorhamphus hayi*.

MARSHALL, G. F. L.

[See MARSHALL, C. H. T.]

MARSHALL, W.

1. *Ueber die knöchernen Schädelhöcker der Vögel.* Niederl. Arch. Zool. i. pp. 133-179 (2 plates).

A well-ordered essay upon the bony protuberances of the skull in certain birds. These are discussed as exhibited in the *Lamellirostrès*, Pigeons, Gallinacæ, *Grues*, Cassowaries, and finally Hornbills, where the formation attains its most extraordinary development in *Buceros scutatus*, s. *galeatus*. Two plates are devoted to the illustration of some of these structures, including that of the last-named species.

2. *Beobachtungen über den Vogelschwanz.* Niederl. Arch. Zool. i. pp. 194-210 (plate).

An essay upon the bird's tail and its component vertebræ, as observed in the various modifications presented in different forms of birds. Two well-executed plates are given in illustration.

MARTENS, E. VON.

Ueber die Höcker am Schädel einiger Vögel. Zool. Gart. 1872, pp. 209-216.

An abstract of the paper of Hr. W. Marschall (*vide suprâ*).

MARTIN, PH. L.

Chr. Ludw. Brehm's Vogelhaus und seine Bewohner, oder Pflege und Züchtung der in Käfigen und Volieren zu haltenden einheimischen u. tropischen Schmuck- und Singvögel. 3. Aufl. 8vo, pp. 162. Weimar, 1872: Voigt.

A new edition of this useful work, which may be recommended to all who are interested in keeping and breeding cage-birds.

MAYNARD, C. J.

A Catalogue of the Birds of Coos Co., N. H., and Oxford Co., Me.; with annotations relative to the Breeding-Habits, Migrations. By C. J. MAYNARD.—*With Notes by WILLIAM BREWSTER.* Proc. Bost. Soc. N. H. xiv. pp. 356–385.

A local list of the birds of two adjacent districts of Maine and Newhaven; 164 species are enumerated.

MEYER, DR. R.

1. *Notice of the occurrence of Somateria mollissima in November near Assenheim in Hesse.* Zool. Gart. pp. 56, 57.

Further instances are given by Jäckel (*l. c.* p. 123).

2. *Zwei Kükseier in einem Neste des Rothkehlchens (Lusciola rubecula).* Zool. Gart. 1872, pp. 185, 186.

On the same subject, *vide* Beling (*l. c.* p. 318).

3. *Ankunft und Abzug der Schwalbenarten in diesem Jahre.* Zool. Gart. 1872, pp. 337–339.

On the extraordinarily early arrival of the Swallows in several parts of Germany.

MILNE-EDWARDS, ALPHONSE.

1. *Résumé des Recherches sur les Oiseaux Fossiles.* C. R. vol. lxxiv. p. 1030, and Ann. Sc. Nat. 5^e sér. xvi. art. 2.

A résumé of the principal discoveries made since 1856 in fossil birds, which the author has embodied in his great work on this subject, now completed.

2. *Investigations on Fossil Birds.* Ann. & Mag. N. H. ser. 4. x. pp. 72–75 (1872).

A translation of the above-mentioned article.

MÖBIUS, PROF. K.

Norderoog, ein Brutplatz der Brand-Seeschwalbe, Sterna cantiaca, im Schleswigschen Wattenmeere. Zool. Gart. 1872, pp. 202-204.

The number of *Sterna cantiaca* breeding on this small island is believed to amount to 20,000.

MOOSE, EDWARD S., Ph.D.

On the Tarsus and Carpus of Birds. Ann. Lyc. N. Y. x. pp. 141-158 (2 plates).

An important contribution to the questions raised by the recent discoveries (of Huxley, Gegenbauer, and Dana) of the existence of tarsal bones in birds and of their exact homologies. The embryos of many American species are examined, and the bones of their legs and wings described and figured.

MORTON, JAMES.

Notes on some of the New-Zealand Birds. Trans. & Proc. N. Z. Inst. vol. v. 1872, pp. 225, 226.

Three species are recorded, amongst them a *Platycercus*, which Mr. Morton thinks to be different from *P. auriceps*. According to an appended note by Capt. Hutton this is *P. alpinus*.

MURIE, JAMES.

1. *On the Skeleton of Todus, with remarks as to its allies.* P. Z. S. 1872, pp. 664-680, t. lv.

An exhaustive description of the skeleton of *Todus*, with well-drawn figures of details (pl. lv.). The *Todidæ* are finally characterized as a family of "Coccygomorphs."

2. *On the Cranial Appendages of the Horned Tragopan.* P. Z. S. 1872, pp. 730-736, tt. lx.-lxi.

These singular structures are fully described and figured.

3. *On the Genus Colius, its Structure and Systematic Place.* Ibis, 1872, pp. 262-280, pl. x.

After a *résumé* of the views of former writers concerning the correct position of this anomalous genus, Dr. Murie describes at full length the skeleton of *Colius leucotis*, and discusses the affinities of the group. The conclusion arrived at is, that it is necessary to constitute for it an order, Colio-

morphæ, "annectent between the Coccygomorphæ and Coracomorphæ."

[It may be remarked that *Hypocolius*, Bp., mentioned by Dr. Murie as "admitted by some" as a genus of Colies, has really nothing whatever to do with them, having been founded on a true Passerine form allied to *Campephaga*. See Ibis, 1868, p. 181.]

4. *On the Motmots and their Affinities*. Ibis, 1872, pp. 383-412, pls. xiii.-xv.

The author commences by describing more or less completely the skeletons of *Momotus lessoni*, *M. ruficapillus*, and *Eumomota superciliaris*. The alliances of the Momotidæ are then discussed at some length, considered osteologically, and a résumé of known facts and opinions concerning them is given. The conclusion arrived at is that along with the Todidæ, the Momotidæ constitute a section of the "Syndactyle birds," which is proposed to be called "Serratirostris."

NATHUSIUS (KÖNIGSBORN), W. VON.

Ueber den inneren Bau einiger Gänse-Eier mit doppeltem Dotter, nebst einigen weiteren Bemerkungen über Species-Unterschiede bei Eierschalen. Journ. f. Orn. 1872, pp. 321-332, with a plate (t. ii.).

An important contribution to the anatomy of the bird's egg and an account of further microscopical researches in examination of the shells as regards distinction of species.

NEWTON, ALFRED.

1. *A History of British Birds, by the late William Yarrell, V.P.L.S., F.Z.S.* Fourth edition. Parts iii. & iv. 8vo. London: February and July 1872.

These two numbers finish the Owls and carry us as far as the Sylviidæ of the Order Passeres. Like the preceding numbers, they are replete with additional information from modern and ancient sources alike. The variations from the usual nomenclature employed are in some cases rather startling (e. g. *Scops giu* and *Aluco flammeus*); but Prof. Newton gives us good arguments (in most cases almost incontrovertible) for the usage adopted.

2. *Exhibition of, and remarks on a specimen of Ross's Gull* (Larus rossi). P. Z. S. 1872, p. 1.

3. *On an undescribed Bird from the Island of Rodriguez*. Ibis, 1872, pp. 31-34.

The bird is a Parrot of the genus *Palæornis*, proposed to be called *P. exsul*. Unfortunately only one female specimen has yet been obtained.

4. *Osteology of the Solitaire*. Ann. & Mag. N. H. ser. 4. ix. pp. 168, 169 (1872).

Remarks on a footnote in Prof. Owen's article on this subject in the Trans. Zool. Soc. vii. p. 519.

5. *Osteology of the Solitaire*. Ann. & Mag. N. H. ser. 4. ix. p. 321 (1872).

A rejoinder to Prof. Owen's reply to the above-mentioned remarks.

6. *On the Specific Name of the Black Redstart*. Ann. & Mag. N. H. ser. 4. x. pp. 227, 228 (1872).

Discusses the origin of the specific term *tithys*, which seems to have sprung from *τιτίς*, and which Prof. Newton now writes *titys*.

OELLACHER, DR. JOSEF.

Die Veränderungen des unbefruchteten Keimes des Hühneries im Eileiter u. bei Bebrütungsversuchen. Zeitschr. f. wissensch. Zoologie, vol. xxii. 1872, pp. 181-234, with Tafel xiii., xiv., & xv.

A physiological essay upon the development of the egg in the oviduct, based upon very careful and minute researches.

OGDEN, J. A.

[See FINSCH, Dr. OTTO].

OTTO, HR.

Ueber die Stimme und Stimmwerkzeuge der Vögel. Sitzungsber. der naturw. Gesellsch. Isis in Dresden. 1872, p. 107.

A slight notice of some verbal remarks on this subject.

OWEN, PROFESSOR.

1. *On Dinornis* (Part xviii.): *containing a Description of the Sternum and Pelvis, with an attempted Restoration of Aptornis defossor, Ow.* Trans. Z. S. viii. pp. 119-126,

plates xiv.-xvi. (Read June 6th, 1871; published September 1872.)

Aptornis defossor was a large Ralline bird allied to *Notornis*. Pl. xvi. gives the restoration of the entire skeleton, with a skeleton of *Ocydromus australis* introduced for comparison.

2. *Osteology of the Solitaire*. Ann. & Mag. N. H. ser. 4. ix. pp. 241, 242 (1872).

Prof. Owen's reply to Prof. Newton's remarks in the same volume of the 'Annals,' p. 168.

PELZELN, AUGUST VON.

1. *Ueber eine neue Schleiereule*. Journ. f. Orn. 1872, pp. 23, 24.

The species is called *Strix insularis*, and is carefully described from a specimen in the Vienna collection from the "Island St. Vincent," which Von Pelzeln suspects to be that of the Cape-Verd group.

2. *Ueber Geschlechtsdifferenzen bei den Meliphagiden der Sandwich-Inseln*. Journ. f. Orn. 1872, pp. 24-30.

In this very interesting paper the author shows, from the rich materials in the Imperial Cabinet at Vienna, that in most of the species belonging to the genera *Mohoa*, *Drepanis*, *Himatione*, *Hemignathus*, and *Loxops* both sexes are coloured precisely alike.

3. *Ueber eine Sendung von Vögeln von den Aru-Inseln und Molukken*. Verhandl. der K. K. zoolog.-bot. Gesellschaft. Wien, Band xxii. 1872, pp. 425-430.

Notes on 28 species, one of which is new, *Pachycephala senex* (p. 429).

POTTS, THOMAS H.

1. *Notes and Descriptions of some Birds lately added to the Museum, Canterbury, New Zealand*. Ibis, 1872, pp. 35-39.

The new species described are *Apteryx haasti*, *Rallus pictus*, and *Larus bulleri*. (See Buller's 'Birds of New Zealand' on these species.)

2. *Letter from*. Ibis, 1872, p. 325.

Relates to a supposed new *Gerygone* observed in the middle

island of New Zealand, and requests a description of the egg of *Eudynamis taitensis*.

3. *Notes on Keropia crassirostris*, Gmel ("Piopio"). Journ. Linn. Soc. xi. pp. 505-509.

Describes the habits and nesting of this bird.

4. *Notes on Birds of New Zealand*. Zool. 1872, p. 3052.
Some interesting observations on *Anarhynchus frontalis*.

5. *On the Birds of New Zealand (Part iii.)*. With Illustrations. Trans. & Proc. N. Z. Inst. vol. v. pp. 171-205.

A continuation of the former papers of the author, who must be regarded as one of the best workers on the New-Zealand avifauna. Thirty-two species are treated in this valuable paper.

The nests (pl. xvii.) of *Certhiparus novæ zealandiæ* and *Creadion carunculatus*, and (pl. xviii.) heads of *Rallus pictus* and *R. pectoralis* are figured. *Gerygone sylvestris*, *Himantopus picatus*, and *Prion australis* are described as new.

PREEN, C.

- Die Ausrottung der Singvögel*. Journ. f. Orn. 1872, pp. 209-224, & 275-286.

A very clear and excellent essay, written to show that laws intended to stop the catching of singing-birds altogether go too far, and that it ought to be permitted to keep them in confinement in limited numbers.

PRZEWALSKI, CAPTAIN.

- Briefliche Mittheilungen aus Ost-Asien*. Journ. f. Orn. 1872, pp. 137, 138.

Enumerates 19 species of birds observed during a voyage from Kiachta to Peking, amongst them *Falco islandicus* and *Buteo japonicus*.

REICHENOW, DR. ANTON.

- Briefliche Reiseberichte aus West-Africa*. Journ. f. Orn. 1872, pp. 390-392.

A letter to the Secretary of the German Ornithological Union, containing observations on birds seen in the environs of Accra.

REINHARDT, J.

Et Tillæg til Grönlands Fuglefauna. Vid. Medd. 1872, pp. 132-134.

Two species, *Pandion haliaëtus* and *Botaurus stellaris*, are added to the author's former list of Greenland birds. The avifauna of Greenland now consists of about 125 species, of which 56 are accidental visitors.

REY, DR. EUGÈNE.

1. *Synonymik der europäischen Brutvögel und Gäste. Systematisches Verzeichniss nebst Angaben über die geographische Verbreitung der Arten unter besonderer Berücksichtigung der Brutverhältnisse.* Gr. 8vo, pp. 257. (Halle: Schwedtschke, 1872.)

This little work will be of value to those ornithologists who have no access to a good library, as it gives references to the principal works on European ornithology, but by no means a full synonymy, as the title would lead one to believe. It is to be regretted that a lot of species which certainly never did occur in Europe, for instance, *Podoces panderi*, *Neophron pileatus*, *Phyllopneuste javanica*, Horsf. (which is really a *Zosterops*), are included; otherwise the book might have become a good successor to Schlegel's 'Revue critique' of 1844.

2. *Zur Ornithologie von Portugal.* Journ. f. Orn. 1872, pp. 140-155.

In 1869 the author visited Portugal, and gives his observations made in the Provinces of Estremadura and Algarve during a stay of two months; 111 species are enumerated.

3. *Ueber die Eier der Ulula lapponica.* Journ. f. Orn. 1872, p. 233.

Description of the eggs of this species, received by Mr. Schlüter, of Halle, from Kittila, in Lapland.

4. *Aus meinen Erfahrungen in der Vogelzucht.* Zool. Gart. 1872, pp. 87, 88.

Notes on the power of reproduction in certain birds, and on a new kind of food for species of *Estrelida*, &c.

5. *Zur Fortpflanzungsgeschichte unseres Kukuks*. Zool. Gart. 1872, pp. 241-243.

Relates rather to the eggs of *Molothrus sericeus* than to those of the Cuckoo.

6. *Fünf neue Bürger von Halle*. Zool. Gart. 1872, pp. 270-276.

Pernis apivorus, *Turdus pilaris*, *Emberiza hortulana*, *Muscicapa atricapilla*, and *M. albicollis* are given as birds breeding near Halle.

RIDGWAY, R.

1. *On the Relation between Colour and Geographical Distribution in Birds, as exhibited in Melanism and Hyperchromism*. Am. J. Sc. ser. 3. iv. pp. 454-460.

The author maintains that the two chief modifications of colour met with in North America in the case of widely distributed species are:—(1) a melanistic tendency, and (2) a greater brightness or increased prevalence of the three primary colours. Examples are given of the operation of these laws, as shown by the modifications in colour of the species of *Chrysomitris*, *Myiarchus*, *Geothlypis*, *Cardinalis*, *Carpodacus*, *Cyanura*, &c.

2. *Relationship of the American White-fronted Owl*. Am. Nat. 1872. pp. 283-285.

Mr. Ridgway controverts Mr. Elliot's conclusions (Ibis, 1872, p. 50) that *Nyctale albifrons* sive *kirtlandi* is the young of *Nyctale tengmalmi*, and that the latter is not distinguishable from *N. richardsoni*. He shows that the first-mentioned bird is the young of *Nyctale acadica*, a much smaller species, and separates the two last-mentioned birds as geographical varieties.

RIEDEL, T. G. F.

- Letter from, containing Remarks on the True Locality of Tanysiptera riedeli*. P. Z. S. 1872, p. 1.

The correct locality is "Kordo," an island in the Bay of Geelvink.

RIVA FU RODOLFO, ANTONIO.

- Rapporto sopra una Sylvia rarissima, presa nel circondario di Lugano*. Atti Soc. Ital. xv. pp. 106-108 (1872).

Reports the occurrence of *Cyanecula suecica* near Lugano in September 1869.

RODD, E. H.

Notes on the Ornithology of Cornwall, for the years 1871-72. J. Inst. Cornw. 1872, pp. 85-87.

Gives an account of the occurrence of the North-American *Totanus flavipes* in Cornwall, and of several other lesser rarities.

ROSS, A. M.

A Classified Catalogue of the Birds of Canada. Toronto: 1872. 8vo, pp. 9.

A list of the scientific names only.

ROWLEY, G. DAWSON.

Exhibition of a Specimen of the North-American Zonotrichia albicollis, taken near Brighton. P. Z. S. 1872, p. 681.

RUSS, DR. KARL.

Die gefiederte Welt. Zeitschrift für Vogelliebhaber,-Züchter und -Händler. Berlin (Louis Gerschel): 1. Jahrg. 1872.

A new fortnightly periodical, which will interest all those engaged and connected in any way with keeping and breeding cage-birds and domestic fowls. The contents of the first volume are too varied and miscellaneous to permit special mention here. We may notice, however, that the keeping of small exotic cage-birds in Germany apparently increases. The periodical also contains reports on living birds on sale in several places, as well as on exhibitions of birds, &c.

SALVADORI, TOMMASO.

1. *Fauna d'Italia. Parte seconda. Uccelli.* Milano. Fasc. 2-15, 8vo.

The bird-parts of this work (which forms part of a larger undertaking entitled 'L'Italia, sotto l'aspetto fisico, storico, artistico e statistico') are now all issued, and form a volume of 352 pages. The total number of species attributed to the Italian fauna is 414. In the introduction a very complete and useful list of publications and authorities on Italian ornithology is given.

2. *Nota intorno al Garrulus lidthii*. Atti Acc. Tor. vii. pp. 473-476 (1872).

This note gives an account of two living specimens of *Garrulus lidthii*, Bp., obtained by Cav. Botto, of Genoa, from the interior of Japan, and placed in the Zoological Gardens of Florence. One of these specimens died in January 1873; the other was sold to M. Vekemans, of Antwerp. [This bird is now in the Jardin d'Acclimatation at Paris.] The discovery of the true habitat of this species is of much interest.

SALVADORI, T., ed ANTINORI, A.

1. *Intorno ad un nuovo genere di Saxicola*. Atti Acc. Tor. viii. p. 32 (1872).

Saxicola leucomela from the Bogos country, allied to *S. leucomela*.

2. *Intorno al Cypselus horus*. Atti Acc. Tor. viii. pp. 94-96 (1872).

Revives *Cypselus horus*, of Hartlaub and Finsch's MSS., of the Blue Nile, as a distinct species from *C. affinis*.

SALVIN, OSBERT.

1. *Remarks on the Mniotiltine Genus Geothlypis*. Ibis, 1872, pp. 147-152.

A diagnostic table of the known species is given; and a new form belonging to the group of *G. æquinoctialis* is described as *G. chiriquensis*. Very full details as regards range and distribution are added.

2. *A further Revision of the Genus Leucopternis, with a Description of a new Species*. Ibis, 1872, pp. 239-243, pl. viii.

The new species, described and figured as *L. plumbea*, is from Ecuador. It makes the tenth of this peculiar Neotropical genus, to which *Asturina schistacea*, Sund., is now proposed to be referred.

3. *Notes on the Birds of Nicaragua, based upon a Collection made at Chontales by Mr. Thomas Belt*. Ibis, 1872, pp. 311-323.

Mr. Belt's collection contained 130 skins, referable to 73 species. Other authorities (Delattre, Sallé, Holland, Wick-

ham, &c.) raise the total number of known Nicaraguan birds to about 150. The general character of the avifauna, as deduced from the list, is rather that of Costa Rica than Guatemala and the north. No known species appears to be restricted entirely to Nicaragua.

SAUNDERS, HOWARD.

1. *On a new Species of Green Woodpecker from Southern Europe.* P. Z. S. 1872, pp. 153, 154.

The species is described as *Gecinus sharpei*. It is from Southern Spain, and is a form of *G. viridis*.

2. *On the Occurrence of Falco barbarus and Cypselus pallidus on the Continent of Europe.* P. Z. S. 1872, p. 356.

Specimens, referred to these two species, were obtained at Granada, in Spain.

3. *On the Introduction of Anser albatrus, of Cassin, into the British Avifauna.* P. Z. S. 1872, pp. 519-521.

Two Geese, shot on the south coast of Wexford, are referred to this species.

4. *Letter from.* Ibis, 1872, pp. 79-80.

Account of a specimen of *Larus melanocephalus* killed near Barking Creek in 1866.

5. *Letter from.* Ibis, 1872, pp. 80, 81.

Remarks on the question of the present existence of *Francolinus vulgaris* in Sicily.

SCHLEGEL, H.

Jaarboekje van het Koninklijk Zool. Genootsch. Natura Artis Magistra, 1872:—

1. *De Satijnvogel*, *Ptilonorhynchus holosericeus*: pp. 154-158.

2. *De Witte Kraanvogel*, *Grus leucogeranus*: pp. 173-175.

The usual popular descriptions are given by Prof. Schlegel in this almanack. Both species are illustrated by two plates, of which we cannot speak with much approbation.

SCHMIDT, JACOB.

Notice of a male Oidemia nigra shot in April near Frankfurt on the Main. Zool. Gart. 1872, pp. 253, 254.

—SCHMIDT, DR. MAX.

Fortpflanzung des Mönchsittichs (*Bolborhynchus monachus*)
in *Gefangenschaft*. Zool. Gart. 1872, pp. 257–263.

An interesting account of the breeding and hatching of this nest-building Parrot, and of their successful wintering in an open aviary in the zoological garden at Frankfort.

SCLATER, P. L.

1. *A Revision of the Species of the Fringilline Genus Sycalis*.
Ibis, 1872, pp. 39–48, pls. ii. & iii.

Nine species are recognized as known to the author, and are fully described. *Sycalis pelzelni* is a new name for a species previously referred wrongly to *S. chloropsis*. *S. chrysops*, *S. lutea*, and *S. aureiventris* are figured. A tenth, apparently valid species (*S. citrina*, Pelz.), is not known to the author.

2. *Observations on the Systematic Position of the Genera*
Peltops, *Eurylæmus*, and *Todus*. *Ibis*, 1872, pp. 177–180.

Peltops is stated to be a “Musciapine” form allied to *Monarcha*. The *Eurylæmidæ* are Passerines,—probably “paleogean representatives of the Cotingidæ.” *Todus* is certainly a Coccothoracine allied to *Hylomanes* (Momotidæ).

3. *On a new Parrakeet of the Genus Loriculus from the*
Philippine Islands. *Ibis*, 1872, pp. 323–325, pl. xi.

The new species is *L. chrysonotus* from Zebu, Philippines, described and figured (pl. xi.) from specimens living in the Zoological Society's Gardens. It is represented in Luzon by *L. culacissi*, and in Negros and Panay by *L. regulus*.

4. *Report on Additions to the Society's Menagerie for De-*
cember 1871. P. Z. S. 1872, p. 23.

Notices arrival of *Ramphastos cuvieri* and *Turdus pauciloquus*.

5. *On Kaup's Cassowary* (*Casuarus kaupi*), and on the
other known Species of the Genus. P. Z. S. 1872, pp.
147–150, t. ix.

Identifies a Cassowary living in the Zoological Society's gardens with *Casuarus kaupi* of Rosenberg. Dr. Schlegel has referred specimens of the same bird (which is from New Guinea) to *C. bennetti*, but incorrectly, both species being now

represented in the Zoological Society's living collection. The whole bird is figured (pl. ix.), and cuts of head are likewise given.

6. *Report on Additions to the Society's Menagerie in January 1872.* P. Z. S. 1872, p. 183.

Notices arrival of *Aptenodytes pennanti* and *Stringops habroptilus*.

7. *Report on Additions to the Society's Menagerie in February 1872.* P. Z. S. 1872, pp. 493-496.

Notices arrival of adult *Casuarius bicarunculatus*, which is figured (pl. xxvi.).

8. *Exhibition of a Skin of the Yellow-billed Cuckoo* (*Coccyzus americanus*) *from Buenos Ayres.* P. Z. S. 1872, p. 496.

(Cf. CABANIS, J. f. O. 1873, p. 73. *Coccygus euleri* is no doubt the same bird.)

9. *Notes on the Birds of the Rio Negro of Patagonia.* P. Z. S. 1872, pp. 534-550.

These are attached to Mr. Hudson's paper on this subject (see above, p. 460). *Cnipolegus hudsoni* is described as new, and figured, pl. xxxi. A list of Mr. Hudson's collection is given, p. 548, and general remarks added.

10. *Report on Additions to the Society's Menagerie in March 1872.* P. Z. S. 1872, p. 602.

Notices arrival of *Centropus phasianus*, *Struthidea cinerea*, *Chauna chavaria*, and *Spheniscus humboldti*.

11. *Note on the Swallows of the Genus Progne.* P. Z. S. 1872, p. 605.

Recognizes only four species. (See HUDSON, W. H., above, p. 461.)

12. *Notes on the Birds of St. Lucia.* P. Z. S. 1872, pp. 647-653.

Footnotes to Mr. Semper's paper (*q. v.*) and list of additional species to former list, P. Z. S. 1871, p. 263.

13. *Exhibition of a Specimen of Coccyzus erythrophthalmus killed in Ireland.* P. Z. S. 1872, p. 681.

14. *Additional Notes on rare or little-known Animals now or lately living in the Society's Gardens.* P. Z. S. 1872, pp. 688-690.

A new *Crax* is described, from a specimen living in the gardens, as *Crax incommoda*. The locality is not known.

15. *Report on Additions to the Society's Menagerie in May 1872.* P. Z. S. 1872, pp. 728, 729.

Notices arrival of examples of *Anas pæcilorhyncha* and *Argus giganteus*.

16. *Exhibition for Mr. Vincent Legge of a pair of a new Species of Ceylonese Bird, proposed to be called Prionochilus vincens.* P. Z. S. 1872, pp. 729, 730.

17. *Report on Additions to the Society's Menagerie in June, July, August, and September, 1872.* P. Z. S. 1872, pp. 789-795.

Notices arrival of examples of *Numida vulturina*, *Loriculus chrysonotus* (vide suprà), *Callipepla gambelli*, *Nestor notabilis*, and three species of *Cyanorhamphus* from New Zealand, amongst which is *C. alpinus* (Buller), a disputed species.

18. *Report on Additions to the Society's Menagerie in October and November 1872.* P. Z. S. 1872, pp. 860-862.

Notices arrival of *Apteryx australis* (verus), *Tribonyx mortieri* and other birds.

19. *Exhibition of a Nest of the Tijereta (Milvulus tyrannus) containing eggs of Molothrus bonariensis.* P. Z. S. 1872, pp. 862, 863.

The nest was forwarded by Mr. Hudson in reference to his remarks, P. Z. S. 1870, p. 548 *et seq.* Additional remarks are now given.

SCOTT, W. D.

Partial List of the Summer Birds of Kanawha County, West Virginia; with Annotations. Proc. Bost. Soc. N. H. xv. pp. 219-227.

A list, with short notes, of 86 species obtained during two months' field-work in this locality.

SEMPER, J. E.

Observations on the Birds of St. Lucia; with Notes by P. L. Sclater. P. Z. S. 1872, pp. 647-653.

A series of notes on the birds mentioned in Mr. Sclater's list, P. Z. S. 1871, p. 263, and also on some additional species now determined by Mr. Sclater.

SHARPE, R. B.

1. *Exhibition of Specimens of Blue Rock-Thrushes* (*Petrocossyphus*). P. Z. S. 1872, p. 496.

The author's view is that the blue and red *P. manilla* of China is simply the immature form of the blue *P. solitarius* sive *cyanus*, and that *P. affinis*, Blyth, of India, is the same bird in an intermediate stage.

(Cf. SHARPE and DRESSER, B. of Europe, pt. x.)

2. *Contributions to the Ornithology of Madagascar*. Part iii. P. Z. S. 1872, pp. 866-869, pl. lxxiii.

Describes a collection of Mr. Crossley from the country south-east of Antananarivo, containing examples of 14 species. Of *Oxylabes madagascariensis* the adult and young are figured.

3. *On Recent Collections of Birds from the Fantee Country, in Western Africa*. Ibis, 1872, pp. 66-74.

Contains an enumeration of species additional to former lists of Fantee Birds published in 'The Ibis' (1869 and 1870), making in all 271 species.

4. *Description of some new Species of Birds in the National Collection*. Ann. & Mag. N. H. ser. 4. x. pp. 450, 451 (1872).

These are *Sitta tephronota*, from Central Asia; *Diaphorophya blisseti*, from the Gold Coast; and *Trichastoma rufipennis*, from Gaboon.

SHARPE, R. B., and DRESSER, H. E.

- A History of the Birds of Europe, including all the Species inhabiting the Western Palearctic Region*. London. 4to. Parts x.-xv. (1872.)

Part x. *Petrocossyphus cyanus*, *Turdus merula*, *Turdus torquatus*, *Monticola saxatilis*, *Parus cyanus*, *Turdus pilaris*, *Emberiza hortulana*, *Picus syriacus*. Parts xi. & xii. *Parus lugubris*, *Picus lilfordi*, *Picus minor*, *Gecinus canus*, *Picoides tridactylus*, *Parus borealis*, *Emberiza cia*, *Emberiza melanocephala*, *Lanius lahtora*, *Telephonus erythropterus*, *Surnia ulula*, *Surnia funerea*, *Parus ledouci*, *Parus ater*, *Parus britannicus*, *Sterna hirundo*, *Tringa minutilla*. Part. xiii. *Vultur*

monachus, *Lanius minor*, *Gecinus sharpii*, *Sitta krueperi*, *Turdus iliacus*, *Alauda arborea*, *Otis tetrax*, *Anas angustirostris*. Part xiv. *Nyctala tengmalmi*, *Sitta neumayeri*, *Loxia curvirostra*, *Nyroca ferruginea*, *Acredula tephronota*, *Acredula rosea*, *Acredula caudata*, *Cossypha gutturalis*. Part xv. *Gypaetus barbatus*, *Acredula irbyi*, *Larus marinus*, *Loxia pityopsittacus*, *Limosa lapponica*, *Limosa ægocephala*, *Plectrophanes lapponicus*.

SHARPE, R. B., and USSHER, H. T.

On Three new Species of Birds from the Fantee Country.
Ibis, 1872, pp. 181-183.

The species described are *Hapaloderma constantia*, *Pholidornis rubrifrons*, and *Huhua shelleyi*.

SHELLEY, G. E.

A Handbook to the Birds of Egypt. London: 1872. Royal 8vo, pp. 342.

After introductory chapters containing a sketch of the author's travels in Egypt, a complete account of its known birds is given. Each species is shortly described, and notes as to times and places of occurrence are given. The species included are 352. The following species are well figured:—*Crateropus acaciæ*, *Saxicola monacha*, *Calamodyta melanopogon*, *Emberiza intermedia*, *Erythrospiza githaginea*, *Centropus ægyptius*, *Merops ægyptius*, *Merops viridis*, *Caprimulgus ægyptius*, *Buteo ferox*, *Turtur auritus*, *Turtur sharpii*, *Rhynchæu capensis*, *Erismatura leucocephala*, *Rhynchops flavirostris*, *Larus ichthyaetus*. There was much need of such a work as this, which will be most useful to the numerous inhabitants of more northern climes who now prefer to pass their winter in the sunshine of the Nile.

SHELLEY, G. E., and BUCKLEY, T. E.

Two Months' Bird-collecting on the Gold Coast. Ibis, 1872, pp. 281-293.

The two months were passed by these enterprising collectors at Cape-Coast Castle and Accra. A list of 37 species not included in Mr. Sharpe's papers is given, raising the

total number of known Fantee birds to 308. Many notes are given of other species observed and their habits.

SPERLING, ROWLAND M.

Letter from. Ibis, 1872, pp. 74-79.

On certain Procellariidæ observed in the Antarctic Seas, and on birds noticed on the River Plate.

STEENSTRUP, JAP.

Om de Mærker, som Knoklerne i fuglenes ophulkede Foderboller bære af Opholdet i fuglenes Maver, samt om disse Mærkers Betydning for Geologien og Archæologien. Vidensk. Medd. 1872, pp. 213-236, with a plate.

The author believes that some of the bone-caves in Southern Europe may have originated from the remnants of meals left by Birds of Prey, and describes the manner in which bones passing through bird's stomachs are acted upon by the gastric juice.

STOLICZKA, F.

Notice of the Mammals and Birds inhabiting Kachh. J. A. S. B. 1872, pp. 211-258. (Abst. Pr. A. S. B. 1872, pp. 120-122).

Of birds 160 species were collected during a recent official visit. These are enumerated, and many good notes given. *Pratincola macrorhyncha* is described as new from two "probably female" specimens. [N. B. Kachh is the new-fashioned way of spelling Cutch.]

STÖLKER, DR. CARL.

1. *Beiträge zur Pathologie der Vögel.* Journ. f. Orn. 1872, pp. 1-19.

Account of various cases of diseases of birds observed by the author, and of interest chiefly to those who keep birds in confinement.

2. *Ueber Aufzucht des Reissfinken in Gefangenschaft* (Padda [Oryzornis] oryzivora, *Rehb.*). Journ. f. Orn. 1872, pp. 19-23.

A careful account of the breeding and hatching of this well-known exotic cage-bird and of the development of the young birds.

3. *Nachtrag sur Vogel-Fauna der Kantone St. Gallen und Appenzell.* Verhandl. der St. Gallischen naturw. Ges. 1870-71, und Separatabdr.: St. Gallen, 1872. Zolliker. 8vo, pp. 18.

Eighteen species are added to the number of birds observed in this part of Switzerland, of which the total amounts to 230 species.

4. *Gutachten über Vogelschutz im weitesten Sinne.* 8vo, pp. 38.

The author, invited by the 'Thurgauische Thierschutzverein,' gives his views on the question of the protection of birds, which are very practically treated of in this small brochure. Our copy, we may remark, has no notice of date or publisher.

STONE, J.

- Le Faisan de lady Amherst.* Bull. Soc. d'Accl. 1872, pp. 1-3.

An account of the introduction of this bird and its reproduction in this country.

SUNDEVALL, C. J.

- Methodi Naturalis Avium disponendarum Tentamen.* Stockholm. 1 vol. 8vo. (1872.)

The nature and contents of this important work have been explained in a previous number of this journal (*anteà*, p. 322).

The following is a list of the new genera proposed, and of the alterations in generic names suggested by Prof. Sundevall:—

Page

- 4. *Penthodyta*: emend. pro *Pentholæa*, Cab.
- „ *Pinarochroa*, g. n. *Saxicola sordida*, Rüpp.
- 5. *Thamnociela*: emend. pro *Thamnolæa*, Cab.
- 6. *Cistodyta*, g. n. *Drymæca scotoptera*, Sund.
- „ *Drymodyta*, g. n. *Malurus timiens*, Licht.
- „ *Spiloptila*, g. n. *Malurus clamans*, Rüpp.
- 7. *Scotocerca*, g. n. *Malurus inquietus*, Rüpp.
- „ *Chlorodyta*, g. n. *Drymæca flavida*, Strickl.
- „ *Herpystera*, g. n. *Drymæca bairdi*, Cass.
- 8. *Sylviella*: emend. pro *Sylvietta*, Lafr.
- „ *Aëthorhynchus*, g. n. *Iora lafresnayii*, Hartl.

9. *Drymœdus* : emend. pro *Drymodes*, Gould.
11. *Timelia* : emend. pro *Timalia*, Horsf.
- „ *Mannothera*, g. n. *Brachypteryx sepiaria*, Horsf.
- „ *Hadropezus* : subst. pro *Turdinus*, Blyth.
13. *Antimimus*, g. n. *Turdus rufus*, Linn.
21. *Cyanolestes* : emend. pro *Cyanolanius*, Bp.
22. *Entomoletes* : subst. pro *Chaptia*, Hodgs.
24. *Pachyprora*, g. n. *Muscicapa capensis*, Linn.
- „ *Hypsipus* : subst. pro *Lanioturdus*, Waterh.
25. *Empidodothera* : subst. pro *Cryptolopha*, Blyth.
32. *Agriospiza*, g. n. *Fringilla flavirostris*, Linn.
33. *Corydospiza*, g. n. *Fringilla alaudina*, Kittl.
40. *Lophopsarus* : subst. pro *Fregilupus*, Less.
44. *Gymnocorax* : emend. pro *Gymnocorvus*, Less.
50. *Melitograis*, g. n. *M. striata*, sp. nov.
54. *Spizocorys*, g. n. *Alauda conirostris*, Sund.
59. *Colorhamphus*, g. n. *Myiobius parvirostris*, Gould.
62. *Hylcosmia* : subst. pro *Cotinga*.
63. *Paictes* : subst. pro *Philepitta*.
69. *Camptolophus* : subst. pro *Plyctolophus*, Vieill.
- „ *Rhodurus*, g. n. *Psittacus erithacus*, L.
- „ *Anoplorrhynchus* : subst. pro *Anodorhynchus*, Spix.
71. *Coriophilus* : emend. pro *Coriphilus*, Waph.
- „ *Calliptilus* : subst. pro *Phigys*, Less.
73. *Mesospilus*, g. n. *P. rafflesii*, auct.
75. *Smilorhis*, g. n. *Megalēma leucotis*, Sund.
86. *Eurostopus* : emend. pro *Eurostopodus*, Gould.
99. *Phapiscus* : subst. pro *Phapitreron*, Bp.
- „ *Nesopelia*, g. n. *Zenaida galapagensis*, Gould.
100. *Stigmatopelia*, g. n. *Columba senegalensis*, L.
- „ *Spilopelia*, g. n. *Columba chinensis*, L.
- „ *Cosmopelia*, g. n. *Phaps elegans* (Temm.).
105. *Leuchybris* : subst. pro *Nyctea*, Thunb.
- „ *Smilonyx* : subst. pro *Ketupa*, Less.
106. *Nyctihierax* : subst. pro *Surnia*, Dum.
107. *Asturisca* : subst. pro *Asturina*, Vieill.
109. *Hamirostrum* : emend. pro *Rostrhamus*, Less.
110. *Gypiscus*, g. n. *Vultur pileatus*, Burch.
116. *Hyloperdix* : subst. pro *Arboricola*, Hodgs.
118. *Opetioptila* : subst. pro *Aburria*, Reich.
130. *Limnobænus*, g. n. *Gallinula rubiginosa*, Temm.
131. *Porphyriola* : emend. pro *Porphyryla*, Blyth.
142. *Calopetes* : subst. pro *Daption*, Steph.
145. *Lipocentrus* : subst. pro *Phœnicoparrus*, Bp.
- „ *Brenthus* : emend. pro *Branta*, Scop.

- 146. Hyonetta: subst. pro Cairina, Flem.
- 147. Dendronessa: emend. pro Dendrocygna, Sw.
 „ Pseudocynus: emend. pro Pseudolor, Gray.
- 149. Melonetta: subst. pro Harelda, Leach.
- 155. Toxocorys: subst. pro Certhilauda, Sw.

The only new species described seems to be *Melitograis striata* from New Guinea, belonging to the Meliphaginæ.

SWINHÖE, R.

Descriptions of two new Pheasants and a new Garrulax from Ningpo, China. P. Z. S. 1872, pp. 550-554.

The Pheasants are named *Phasianus ellioti*, from the mountainous region of Che-kiang, and *Pucrasia darwini*, from the same district. The *Garrulax*, called *G. peticollis*, is also from these mountains.

TACZANOWSKI, L.

1. *Notiz über die ostsibirischen rauhfüssigen Bussarde.* Journ. f. Orn. 1872, pp. 189-192.

The birds are described; but the determination of the species seems not to be exactly decided upon.

2. *Bericht über die ornithologischen Untersuchungen des Dr. Dybowski in Ost-Sibirien.* Journ. f. Orn. 1872, pp. 340-366, und 433-454.

An enumeration of the birds collected and observed by Dr. Dybowski between Irkutsk, Kultuk, and the Kosogal Lake, in the Baikal district, and near Darasun, in Dauria, including the notes of the collector on breeding, eggs, migration, &c. The first two parts of this very interesting and valuable paper relate to 120 species. Probably new are *Turdus hyemalis*, Dybowski (p. 439), and *Pæcilia brevirostris*, Dybowski (p. 444). The very interesting, if substantiated, occurrence of *Turdus aliciae*, Baird, is mentioned (p. 440).

TAYLOR, GEORGE CAVENDISH.

Ornithological Observations in the Crimea, Turkey, Sea of Azov, and Crete, during the years 1854-55; with Remarks on the Sivash, or Putrid Sea. Ibis, 1872, pp. 224-237.

TAYLOR, REV. RICHARD.

An Account of the First Discovery of Moa-remains. Trans. & Proc. N. Z. Inst. vol. v. 1872 (iss. 1873), pp. 97-101.

The author states that he was the first who discovered Moa-bones and sent them over to Professor Owen, but that they did not reach their destination so soon as those given by a sailor to Mr. Rull.

TRAVERS, H. H., and HUTTON, F. W.

Notes on some Birds from the Chatham Islands, with Descriptions of two new Species. Ibis, 1872, pp. 243-250.

Gives an account of Mr. Travers's collection during an eight months' residence on the islands, which lie 475 miles east of New Zealand. The new species are *Petroica traversi* and *Rallus modestus*.

TRAVERS, W. T. L.

On the Birds of the Chatham Islands, by H. H. Travers; with Introductory Remarks on the Avifauna and Flora of the Islands in their relation to those of New Zealand. Trans. & Proc. N. Z. Inst. vol. v. 1872, pp. 212-222.

Observations and notes on 38 species of birds made by Mr. H. H. Travers during his recent visit to these islands. N.B. "*Graculus africanus*" should stand as *G. featherstoni*, Buller; [see also Hutton, F. W.].

TRIPPE, T. M.

Notes on the Birds of Southern Iowa. Proc. Bost. Soc. N. H. xv. pp. 229-243.

A list with short notes of 162 species observed during two years' residence in Southern Iowa.

TRISTRAM, H. B.

1. *On a new Sylviad from Palestine.* Ibis, 1872, pp. 296-297.

The new species is *Sylvia melanothorax*, from the Jordan Valley, allied to *S. melanocephala*. Other rare species, obtained during the recent expedition to Moab, are mentioned.

2. *Letter from.* Ibis, 1872. pp. 334, 335.

On a small flock of Pallas's Sand-Grouse (*Syrhaptus paradoxus*) observed on the coast of North Northumberland.

TSCHUSI-SCHMIDHOFEN, VICTOR, RITTER VON.

1. *Schützet und heget die Vögel. Ein Mahnruf an alle Land- u.*

Forstwirthe, Jäger und Freunde der Vögel. 8vo, pp. 36, with 7 woodcuts. Wien: 1872. (Faesy & Frick.)

The protection of birds, a subject at present so much talked about, is very carefully treated, and all the questions concerned with it satisfactorily answered. The useful birds and those which do damage are enumerated. We may remark, however, that the usefulness of birds is modified by the country wherein they live; so, *e.g.*, *Corvus cornix*, which is correctly enumerated amongst the useful birds, cannot be considered so in Scandinavia, being a great destroyer of the eggs of Waterfowl in that country.

2. *Ornithologische Mittheilungen aus Oesterreich* (1871). Journ. f. Orn. 1872, pp. 131-137.

Observations on 18 species of birds, the most interesting of which are *Acanthis linaria*, found breeding in the Salzburgerian Alps, *Nucifraga caryocatactes*, in Upper Styria, and the occurrence of a flock of hundreds of *Pastor roseus* near Pönowitzsch, in Carinthia, in the beginning of June.

VIAN, JULES.

Causeries Ornithologiques. R. Z. 1872, pp. 33-48, 81-90, 321-330.

Treats of *Aquila leucorypha*, from the Ural, *Emberiza cioides*, *Anthus cervinus*, *Parus lugubris*, *Alauda pispoletta*, *A. sibirica*; of the so-called "spurious" primary in birds; of *Falco peregrinoides*, *Lanius phænicurus*, and *L. superciliosus*.

VOGEL, GEORG.

Die Fortpflanzung des Tannenhühners im Jura Solothurns. Verhandl. der St. Gallischen naturw. Gesellsch. 1871-72, and Separatabdruck: St. Gallen 1873. Zollikofer. 8vo, pp. 32.

A full account of the nesting, breeding, and habits of *Nucifraga caryocatactes* in the Jura.

USSHER, H. T.

[See SHARPE, R. B.]

WALDEN, ARTHUR, VISCOUNT.

1. *Letter from.* Ibis, 1872, pp. 330, 331.

Remarks upon *Cyornis tickelliae* and *C. Jerdoni*, and the question of their identity.

2. *On a Collection of Birds recently made by Mr. A. H. Everett in Northern Borneo.* Ibis, 1872, pp. 360-383, pl. xii.

Mr. Everett's collection contained examples of about 50 species, of which the most interesting are *Argusianus grayi*, *Pityriasis gymnocephalus*, and *Setornis cringer*. Of the last a figure is given. A short account of the authorities on Bornean ornithology is given, and full remarks on the synonymy and range of the species in the collection.

3. *Letter from.* Ibis, 1872, pp. 471, 472.

Identifies *Lithofalco fieldeni*, Hume, with *Polihierax insignis*, Walden, and specimens named "*Erythrostera parva*, in nuptial plumage" by Mr. Hume, with *Siphia (Menetica) hyperythra*, Cabanis, of Ceylon.

4. *Description of a new Species of Porzana from the Himalayas.* Ann. & Mag. N. H. ser. 4. ix. p. 47 (1872).

Porzana bicolor, obtained near Darjeeling.

5. *Description of a supposed new Species of Cuckoo from Celebes.* Ann. & Mag. N. H. ser. 4. ix. pp. 305, 306 (1872).

Hierococcyx crassirostris, from the northern part of the island.

6. *On some supposed new Species of Birds from Celebes and the Togian Islands.* Ann. & Mag. N. H. ser. 4. ix. pp. 398-401 (1872).

These are *Loriculus quadricolor*, from the Togian Islands; *Myzomela chloroptera* and *Hyloterpe sulfuriventer*, from Celebes; *Criniger aureus*, from the Togian Islands; and *Cisticola grayi*, from Celebes.

7. *On a new Species of Timalia from Eastern India.* Ann. & Mag. N. H. ser. 4. x. pp. 61, 62 (1872).

Timalia jerdoni, from the Khasia Hills, hitherto referred to *T. pileata* of Java, but distinct.

8. *On two new Species of Birds from the Philippine Islands.* Ann. & Mag. N. H. ser. 4. x. pp. 252, 253 (1872).

These are *Hyloterpe philippinensis*, from Luzon, and *Orthotomus castaneiceps*, from Guimaras.

9. *A List of the Birds known to inhabit the Island of Celebes.* Trans. Zool. Soc. viii. pp. 23–108, pls. iii.–x. (Read May 2nd, 1871; published May 1872.)

A complete treatise on what is yet known of the birds of this debatable land between the Indo-Malayan and Austro-Malayan regions. After a general disquisition on the 191 known species and on the results to be arrived at from an examination of them and the genera to which they belong, a complete list of the species is given, with synonyms and critical remarks. Three species are described as new—*Lalage leucopygialis*, *Munia brunneiceps*, and *Calornis neglecta*. The following species are figured—*Trichoglossus meyeri*, *Buceros exaratus*, ♂ et ♀, *Artamus monachus*, *Geocichla erythronota*, *Myiolestes helianthea*, *Hypothymis puella*, *Cyornis rufigula*, *Volvocivora morii*, *Lalage leucopygialis*, *Munia brunneiceps*, *Zosterops intermedia*, *Zost. atrifrons*, *Acridotheres cinereus*, and *Ægialites peronii*. Special accounts are given of the known species of *Centrococcyx* and *Calornis*, and much information about *Phænicophaes* and about the Hornbills of Celebes.

10. *Appendix to a List of Birds known to inhabit the Island of Celebes.* Trans. Zool. Soc. viii. pp. 109–118, pls. xi.–xiii. (Read May 7th, 1872; published May 1872.)

Appendix to the previous memoir, giving an account of Dr. A. B. Meyer's recent collections in Celebes. After additional observations on species already included, in the course of which *Broderipus celebensis* is described as new, particulars of 12 additional species are given. *Teraspiza rhodogastra*, *Graucalus temminckii*, and *Hierococcyx crassirostris* are figured.

WALDEN, ARTHUR, VISCOUNT; and LAYARD, E. L.

On Birds recently observed or obtained in the Island of Negros, Philippines. Ibis, 1872, pp. 93–107, pls. iv.–vi.

Mr. L. C. Layard's collection from this hitherto ornithologically unexplored island contains examples of 17 species. *Chrysocolaptes xanthocephalus*, *Dicrurus mirabilis*, and *Ianthæna griseogularis* are described as new and figured. Important rectifications are given as to the synonymy of other species.

WOOD, T. W.

On the two (?) unknown Species of Argus Pheasant. Ann. & Mag. N. H. ser. 4. x. p. 67 (1872).

Remarks on the feathers of these supposed species as figured in Elliot's monograph.

WOOD, WILLIAM, M.D.

Instructions for preparing Birds' Eggs. Am. Nat. 1872, pp. 281, 282.

Recommends an egg-blowing instrument invented by Mr. E. W. Ellsworth, of East Windsor, Hill., Conn., and gives sound advice to inexperienced collectors.

XLVIII.—*List of Periodicals in which Ornithological Papers have appeared in 1872.* By F. H. WATERHOUSE, Librarian to the Zoological Society of London.

I HAVE drawn up the following list at Mr. Selater's request. The titles are arranged nearly in the same order as that in which they occur in the Society's Library Catalogue. Copies of all of them, with very few exceptions, are in the library under my charge.

AMSTERDAM.

Jaarboekje van het Koninklijk Zoologisch Genootschap Natura Artis Magistra. 1872. pp. 175.

BERLIN.

Zeitschrift für die gesammten Naturwissenschaften : neue folge (Giebel). Band v. and vi. 1872.

Zeitschrift für Vogelliebhaber, -Züchter und -Händler. 1872.
Archiv für Naturgeschichte. Jahrgang xxx., 1872.

BOLOGNA.

Memorie dell' Accademia di Scienze dell' Istituto. Ser. 2, vol. iii. 1872.

BOSTON.

Proceedings of the Boston Society of Natural History. Vol. xiv. p. 420, xv. p. 256. (1872.)